

Technical Specification 7039.111-5A

Item	Specification	“Comply” or “Not Comply”	Comments
1.	Components and Basic Functionalities		
	Workstation for Border Control – Level 1, consisting of the following hardware and software components: Automatic full-page document reader, without detachable parts (except for the panel and magnifier), designed for: verification of the authenticity of travel documents; recognition of textual information and barcodes under white, ultraviolet (UV), infrared (IR), coaxial, and OVD light sources; reading of contactless electronic identification circuits (RFID); comparison of the facial image from the visual inspection zone with the RFID-stored facial image; and equipped with a built-in system unit (computer) integrated into the device. Informative software system intended for displaying information and visual images of documents under various security levels, allowing the operational verification of the authenticity of passports, identity cards, and other documents establishing identity and the right to cross the border. -Monitor; -Keybaord; -Mouse; -Extension cord with UPS connector; -Connection cables.	Comply	Document reader Regula 7039.111-5A Automatic full-page document reader, without detachable parts, designed for: verification of the authenticity of travel documents; recognition of textual information and barcodes under white, ultraviolet (UV), infrared (IR), coaxial, and OVD light sources; reading of contactless electronic identification circuits (RFID); comparison of the facial image from the visual inspection zone with the RFID-stored facial image; and equipped with a built-in system unit (computer) integrated into the device. Informative software system intended for displaying information and visual images of documents under various security levels, allowing the operational verification of the authenticity of passports, identity cards, and other documents establishing identity and the right to cross the border. -Monitor; -Keybaord; -Mouse; -Extension cord with UPS connector; -Connection cables.
2.	Minimum Technical, Quality and Operational Characteristics		
	Power Supply Voltage supply: 19 V Maximum current consumption: 1.8 A Physical Parameters Dimensions: 190 × 160 × 135 mm Weight: not more than 1.5 kg Glass: ceramic anti-scratch glass Spare glass: 1 piece Optical Document Reader Scanning area: full page of the passport Image sensor type: CMOS Color representation: RGB Color depth: 24-bit	Comply	Power Supply Voltage supply: 19 V Maximum current consumption: 1.8 A Physical Parameters Dimensions: 190 × 160 × 135 mm Weight: 1.5 kg Glass: ceramic anti-scratch glass Spare glass: 1 piece Optical Document Reader Scanning area: full page of the passport Image sensor type: CMOS Color representation: RGB

	<p>Resolution: Megapixels: 5 Pixels per inch (±3%): 500 ppi Image resolution: 2592 × 1944 pixels Contactless Electronic Identification Circuit Reader (RFID) Standards: ISO 14443 Types A and B for RFID electronic circuits Data transfer rates: 106, 212, 424, 848 Kbaud Reading capability: RFID chips placed in any part of the travel document Anticollision: RFID chip detection and reading performed after MRZ (Machine Readable Zone) reading Built-in Smart Card Reader Supported standards: ISO/IEC 7816-1, -2, -3, -4; EMV2000 4.1 Level 1 Data transfer rate: 2–500 Kbaud Supported card types: asynchronous cards, T = 0 and T = 1</p> <p>Minimum Properties of the Integrated System Board Processor (CPU): x86 architecture; 4 cores, 2.2 GHz, 64-bit Operating memory (RAM): 32 GB DDR4 / DDR5 Graphics / Video card: integrated Storage drive: SSD 500 GB Minimum Ports: 1 × mini DisplayPort 1.2 supporting ultra-high-definition 4K displays and multi-monitor functionality 1 × mini HDMI or HDMI 1.4a port Minimum Connectivity: 10/100/1000 Network Connection 2 × SuperSpeed USB 3.0 ports (rear panel) 2 × Hi-Speed USB 2.0 ports (front panel) Front Panel: Reset button HDD activity LED Power LED Power on/off button Operating System: Microsoft Windows 11 Pro Manufacturing Year: Not earlier than the first quarter of the year preceding the initiation of the procurement procedure Condition: New (not refurbished / non-refurbished)</p>		<p>Color depth: 24-bit Resolution: Megapixels: 5 Pixels per inch (±3%): 500 ppi Image resolution: 2592 × 1944 pixels Contactless Electronic Identification Circuit Reader (RFID) Standards: ISO 14443 Types A and B for RFID electronic circuits Data transfer rates: 106, 212, 424, 848 Kbaud Reading capability: RFID chips placed in any part of the travel document Anticollision: RFID chip detection and reading performed after MRZ (Machine Readable Zone) reading Built-in Smart Card Reader Supported standards: ISO/IEC 7816-1, -2, -3, -4; EMV2000 4.1 Level 1 Data transfer rate: 2–500 Kbaud Supported card types: asynchronous cards, T = 0 and T = 1</p> <p>Properties of the Integrated System Board 11th Gen Intel® Core™ i5 Processor (CPU): x86 architecture 4 cores, 2.4 GHz, 64-bit Operating memory (RAM): 32 GB DDR4 Graphics / Video card: integrated Storage drive: SSD 500 GB Ports (improved by manufacturer of PC): 1x HDMI 2.0b port (supports ultra-high-definition 4K displays at 60 Hz) Connectivity: 10/100/1000 Network Connection 2 × SuperSpeed USB 3.0 ports (rear panel) 2 × Hi-Speed USB 2.0 ports (front panel) Front Panel: Reset button HDD activity LED Power LED Power on/off button Operating System: Microsoft Windows 11 Pro Manufacturing Year: 2025 Condition: brand-new</p>
3.	Functional Capabilities		
	Reading and image processing of	Comply	Reading and image processing of

	<p>documents in the following formats: ID-1, ID-2, ID-3, and other documents not exceeding the dimensions of 88 × 128 mm. Scanning Process: Detection of document presence in the reader using a built-in sensor; Automatic scanning initiated immediately after the document is detected; Reflection (glare) suppression from lamination and holograms in visible (white) and infrared (IR) light spectrums; Compensation of external light exposure during image capture in ultraviolet (UV) spectrum (Smart UV function); Automatic adjustment of UV illumination intensity according to the type of document being processed; Detection, identification, and extraction of key document zones (photograph, MRZ area, signature field, data fields) from the overall document image.</p>		<p>documents in the following formats: ID-1, ID-2, ID-3, and other documents not exceeding the dimensions of 88 × 128 mm. Scanning Process: Detection of document presence in the reader using a built-in sensor; Automatic scanning initiated immediately after the document is detected; Reflection (glare) suppression from lamination and holograms in visible (white) and infrared (IR) light spectrums; Compensation of external light exposure during image capture in ultraviolet (UV) spectrum (Smart UV function); Automatic adjustment of UV illumination intensity according to the type of document being processed; Detection, identification, and extraction of key document zones (photograph, MRZ area, signature field, data fields) from the overall document image.</p>
	<p>Machine Readable Zone (MRZ) Supported Machine Readable Zone (MRZ) Formats In accordance with ICAO Doc 9303: 44×2, 30×3, 36×2. Detection of the Machine Readable Zone (MRZ) within the document image; Recognition in visible (white) and infrared (IR) light spectrums; Verification of check digits to ensure the correctness of data fields in the MRZ, in compliance with ICAO Doc 9303 requirements; Evaluation of the accuracy and print quality of the MRZ in accordance with the standards ICAO Doc 9303, ISO 7501, ISO 1831, and ISO 1073-2.</p>	Comply	<p>Supported MRZ format: In conformity with ICAO 9303: 44×2 30×3 36×2; In conformity with ISO IEC 18013 (IDL): 30×1; Support of special MRZ data structure for documents of certain countries. Features: Search for the MRZ along the whole document image; MRZ recognition in infrared and white light; Control of check digits and data structure in conformity with the requirements of ICAO 9303 and BSI TR-03105 Part 5.1; Evaluation of MRZ quality specifications in conformity with ICAO 9303, ISO 7501, 1831, 1073-2 standards</p>
	<p>Barcode Reading Capabilities Supported formats: 1D barcodes: Codabar, Code 39 (+Extended), Code 93, Code 128, EAN-8, EAN-13, IATA 2 of 5 (Airline), Interleaved 2 of 5 (ITF), Matrix 2 of 5, STF (Industrial), UPC-A,</p>	Comply	<p>Barcode Reading Capabilities Supported formats: 1D barcodes: Codabar, Code 39 (+Extended), Code 93, Code 128, EAN-8, EAN-13, IATA 2 of 5 (Airline), Interleaved 2 of 5 (ITF), Matrix 2 of 5, STF (Industrial),</p>

	UPC-E 2D barcodes: PDF417, Aztec Code, QR Code, DataMatrix		UPC-A, UPC-E 2D barcodes: PDF417, Aztec Code, QR Code, DataMatrix
	Automatic Document Type Identification Sequence of document type determination: Country → Type → Series Retrieval of the corresponding document template from the SDK database for further processing, including: identification of the placement of textual and graphical fields; detection of barcodes and security elements; verification of authenticity and related parameters; detection of electronic identification circuits (RFID); ability to retrieve the reference (template) document from information systems (databases containing descriptions of world travel documents); automatic rotation of the document image according to the predefined angle specified in the template.	Comply	Automatic Document Type Identification Sequence of document type determination: Country → Type → Series Retrieval of the corresponding document template from the SDK database for further processing, including: identification of the placement of textual and graphical fields; detection of barcodes and security elements; verification of authenticity and related parameters; detection of electronic identification circuits (RFID); ability to retrieve the reference (template) document from information systems (databases containing descriptions of world travel documents); automatic rotation of the document image according to the predefined angle specified in the template.
	Processing of Graphical Fields Types of graphical fields: holder's photograph; signature; barcode; fingerprints and other biometric elements; Functional capabilities: cropping and displaying graphical fields as separate images, in accordance with the template of the identified document type; automatic detection of the face in the document images and graphical representation of the face in cases where the document type has not been determined; rotation of the document image according to the position of the holder's photograph; facial comparison between the facial image from the visual inspection zone (VIZ) and the facial image stored in the RFID chip.	Comply	Processing of Graphical Fields Types of graphical fields: holder's photograph; signature; barcode; fingerprints and other biometric elements; Functional capabilities: cropping and displaying graphical fields as separate images, in accordance with the template of the identified document type; automatic detection of the face in the document images and graphical representation of the face in cases where the document type has not been determined; rotation of the document image according to the position of the holder's photograph; facial comparison between the facial image from the visual inspection zone (VIZ) and the facial image stored in the RFID chip.
	Optical Character Recognition (OCR) of the Visual Inspection Zone (VIZ)	Comply	Optical Character Recognition (OCR) of the Visual Inspection Zone

	<p>Character Recognition by Encoding Standards</p> <p>Central European (1250)</p> <p>Cyrillic (1251)</p> <p>Western European Latin (1252)</p> <p>Greek (1253)</p> <p>Turkish (1254)</p> <p>Baltic (1257)</p> <p>Support for fonts of any size</p> <p>Support and utilization of dictionaries (names, surnames, addresses, countries, etc.)</p> <p>Automatic text segmentation into separate fields (e.g., address divided into postal code, country, region, etc.)</p> <p>Recognition of data with complex formats</p> <p>Reading of characters encoded in different code pages within the same line.</p>		<p>(VIZ)</p> <p>Character Recognition by Encoding Standards</p> <p>Central European (1250)</p> <p>Cyrillic (1251)</p> <p>Western European Latin (1252)</p> <p>Greek (1253)</p> <p>Turkish (1254)</p> <p>Baltic (1257)</p> <p>Support for fonts of any size</p> <p>Support and utilization of dictionaries (names, surnames, addresses, countries, etc.)</p> <p>Automatic text segmentation into separate fields (e.g., address divided into postal code, country, region, etc.)</p> <p>Recognition of data with complex formats</p> <p>Reading of characters encoded in different code pages within the same line.</p>
	<p>RFID SDK (Software Development Kit)</p> <p>Supported Standards for Electronic Circuits – RFID</p> <p>ISO/IEC 14443-2 (Type A and Type B)</p> <p>ISO/IEC 14443-4</p> <p>Data access modes:</p> <p>Direct</p> <p>BAC (Basic Access Control)</p> <p>EAC (Extended Access Control)</p> <p>PACE (Password Authenticated Connection Establishment)</p> <p>Authentication Types</p> <p>Active Authentication (AA)</p> <p>Passive Authentication (PA)</p> <p>Chip Authentication (CA v1, CA v2)</p> <p>Terminal Authentication (TA v1, TA v2)</p> <p>Supported Applications</p> <p>ePassport (DG1–DG16)</p> <p>eID (DG1–DG21)</p> <p>eSign</p> <p>Certificate Management</p> <p>Local certificate storage</p> <p>Online certificate retrieval via software interface</p> <p>Support for Master List and CRL (Certificate Revocation List)</p> <p>Additional Functionalities</p> <p>Support for Extended Length reading</p> <p>Reading of contactless electronic circuits in compliance with ICAO LDS 1.7 and PKI 1.1 data formats</p>	Comply	<p>RFID SDK (Software Development Kit)</p> <p>Supported Standards for Electronic Circuits – RFID</p> <p>ISO/IEC 14443-2 (Type A and Type B)</p> <p>ISO/IEC 14443-4</p> <p>Data access modes:</p> <p>Direct</p> <p>BAC (Basic Access Control)</p> <p>EAC (Extended Access Control)</p> <p>PACE (Password Authenticated Connection Establishment)</p> <p>Authentication Types</p> <p>Active Authentication (AA)</p> <p>Passive Authentication (PA)</p> <p>Chip Authentication (CA v1, CA v2)</p> <p>Terminal Authentication (TA v1, TA v2)</p> <p>Supported Applications</p> <p>ePassport (DG1–DG16)</p> <p>eID (DG1–DG21)</p> <p>eSign</p> <p>Certificate Management</p> <p>Local certificate storage</p> <p>Online certificate retrieval via software interface</p> <p>Support for Master List and CRL (Certificate Revocation List)</p> <p>Additional Functionalities</p> <p>Support for Extended Length reading</p> <p>Reading of contactless electronic circuits in compliance with ICAO LDS 1.7 and PKI 1.1 data formats</p>
	Textual Information Analysis and	Comply	Textual Information Analysis and

	<p>Comparison Document Zones Subject to Data Analysis and Comparison Machine Readable Zone (MRZ) Visual Inspection Zone (VIZ) RFID electronic chip Barcode Functions: Verification of data fields (e.g., date of birth, date of expiry, date of issue, and other relevant fields) for validity and consistency; Conversion of date formats to match the operating system's standard format; Full and partial field comparison across document zones; Data aggregation from multiple pages of the same document; Computational support for derived fields (e.g., age calculation and others); Transliteration into Latin characters in accordance with ICAO Doc 9303 for comparison with the Machine Readable Zone (MRZ).</p>		<p>Comparison Document Zones Subject to Data Analysis and Comparison Machine Readable Zone (MRZ) Visual Inspection Zone (VIZ) RFID electronic chip Barcode Functions: Verification of data fields (e.g., date of birth, date of expiry, date of issue, and other relevant fields) for validity and consistency; Conversion of date formats to match the operating system's standard format; Full and partial field comparison across document zones; Data aggregation from multiple pages of the same document; Computational support for derived fields (e.g., age calculation and others); Transliteration into Latin characters in accordance with ICAO Doc 9303 for comparison with the Machine Readable Zone (MRZ).</p>
	<p>Authenticity Verification UV Luminescence Verification (UV Dull Paper): Verification of the document substrate, MRZ area, and photo area under ultraviolet light. MRZ Print Contrast Verification: Verification of MRZ print contrast in compliance with ICAO Doc 9303 (IR B900 Ink) standard. Checks Available After Document Type Identification: Verification of image patterns (specific shapes and colors) under white, infrared (IR), and ultraviolet (UV) light spectrums (Image Pattern); Verification of UV protection fibers — illumination of fibers of specific color and size (UV Protection Fibers); Verification of false luminescence to detect non-genuine glowing areas (False Luminescence); Verification of photo embedding method — distinguishing between printed and glued photographs (Photo Embedding Type). Infrared Visibility Verification (IR Visibility): Verification of blank document elements; Verification of textual data;</p>	Comply	<p>Authenticity Verification UV Luminescence Verification (UV Dull Paper): Verification of the document substrate, MRZ area, and photo area under ultraviolet light. MRZ Print Contrast Verification: Verification of MRZ print contrast in compliance with ICAO Doc 9303 (IR B900 Ink) standard. Checks Available After Document Type Identification: Verification of image patterns (specific shapes and colors) under white, infrared (IR), and ultraviolet (UV) light spectrums (Image Pattern); Verification of UV protection fibers — illumination of fibers of specific color and size (UV Protection Fibers); Verification of false luminescence to detect non-genuine glowing areas (False Luminescence); Verification of photo embedding method — distinguishing between printed and glued photographs (Photo Embedding Type). Infrared Visibility Verification (IR Visibility): Verification of blank document elements; Verification of textual data;</p>

	<p>Verification of photographs (main and additional).</p> <p>Additional Authenticity Checks:</p> <p>Verification of holograms (OVD – Optically Variable Devices);</p> <p>Reading of luminescent security text (OCR Security Text) and comparison with data extracted from the Machine Readable Zone (MRZ) or Visual Inspection Zone (VIZ);</p> <p>Visualization of hidden images (IPI – Invisible Personal Information);</p> <p>Verification of retroreflective protection elements;</p> <p>Verification of barcode format and integrity.</p>		<p>Verification of photographs (main and additional).</p> <p>Additional Authenticity Checks:</p> <p>Verification of holograms (OVD – Optically Variable Devices);</p> <p>Reading of luminescent security text (OCR Security Text) and comparison with data extracted from the Machine Readable Zone (MRZ) or Visual Inspection Zone (VIZ);</p> <p>Visualization of hidden images (IPI – Invisible Personal Information);</p> <p>Verification of retroreflective protection elements;</p> <p>Verification of barcode format and integrity.</p>
4.	SDK and Software		
	<p>The system shall be equipped with a specialized software product integrated into the SDK (Software Development Kit), containing an extensive database of world passports and travel documents, which shall include at least the following:</p> <p>Descriptions of travel documents from no fewer than 180 countries;</p> <p>Information on at least 2,000 different documents and visas;</p> <p>Detailed information about each document (structure, materials, issuing authority, version, and relevant notes);</p> <p>Descriptions of security elements and protection methods used in the respective documents.</p> <p>Supported image formats: BMP, JPEG, JPEG2000, PNG, TIFF (with the possibility to save in other formats if required).</p> <p>Integration Mode for Comparison</p> <p>Fingerprint comparison between the fingerprint data stored in the RFID electronic chip and the fingerprint obtained from an external fingerprint scanner;</p> <p>Facial comparison between the passport photograph and the facial image stored in the RFID electronic chip;</p> <p>Document image comparison between the captured image of the document (obtained via the document reader) and the template image from the informational system containing world passport and travel document descriptions.</p>	Comply	<p>The device is supplied with software development kit (SDK) for easy integration into existing end-user systems.</p> <p>SDK (Full) consists of three modules:</p> <p>Basic – supplied together with a device by default;</p> <p>VizOCR – reading textual fields from a document page;</p> <p>AAC – automatic authenticity control.</p> <p>VizOCR and AAC modules are used to extend the functionality of Basic module.</p> <p>Information reference system Passport contains images of documents, their security features and printing techniques with detailed descriptions.</p> <p>Descriptions of more than 3000 travel documents from 222 countries;</p> <p>Detailed information about each document (structure, materials, issuing authority, version, and relevant notes);</p> <p>Descriptions of security elements and protection methods used in the respective documents.</p> <p>Supported image formats: BMP, JPEG, JPEG2000, PNG, TIFF (with the possibility to save in other formats on request).</p> <p>Integration Mode for Comparison</p> <p>Fingerprint comparison between the fingerprint data stored in the RFID electronic chip and the fingerprint obtained from an external fingerprint scanner;</p> <p>Facial comparison between the</p>

			<p>passport photograph and the facial image stored in the RFID electronic chip;</p> <p>Document image comparison between the captured image of the document (obtained via the document reader) and the template image from the informational system containing world passport and travel document descriptions.</p>
	<p>Functions</p> <p>Software updates (for both the SDK and the informational system containing world passport data) — at least twice per year, including:</p> <ul style="list-style-type: none"> addition of new authenticity verification functionalities; inclusion of new documents in the informational system on world passports and travel documents; provision of such updates and enhancements for a minimum period of 5 years. <p>Compatibility and SDK Capabilities</p> <p>Operating System Compatibility:</p> <p>Compatible with Microsoft Windows operating systems, from Windows 7 up to the latest version of Microsoft's solution (x86 and x64 architectures).</p> <p>Libraries (Drivers):</p> <p>All drivers shall be Microsoft-certified.</p> <p>SDK Capabilities:</p> <p>Simultaneous processing of optical scanning and contactless RFID chip reading;</p> <p>Firmware update of the embedded applications via USB port (performed automatically after installation of a new SDK version);</p> <p>MUI (Multilingual User Interface) support;</p> <p>Inclusion of demonstration applications providing full device functionality both visually and through COM-server technology;</p> <p>Inclusion of source code examples in Microsoft Visual Studio for .NET and Delphi/Embarcadero programming environments, enabling access to all device functionalities via COM-server technology provided by the SDK.</p>	Comply	<p>Functions</p> <p>Software updates (for both the SDK and the informational system containing world passport data) — at least twice per year, including:</p> <ul style="list-style-type: none"> addition of new authenticity verification functionalities; inclusion of new documents in the informational system on world passports and travel documents; provision of such updates and enhancements for a period of 5 years. <p>Compatibility and SDK Capabilities</p> <p>Operating System Compatibility:</p> <p>Compatible with Microsoft Windows operating systems, from Windows 7 up to the latest version of Microsoft's solution (x86 and x64 architectures).</p> <p>Libraries (Drivers):</p> <p>All drivers shall be Microsoft-certified.</p> <p>SDK Capabilities:</p> <p>Simultaneous processing of optical scanning and contactless RFID chip reading;</p> <p>Firmware update of the embedded applications via USB port (performed automatically after installation of a new SDK version);</p> <p>MUI (Multilingual User Interface) support;</p> <p>Inclusion of demonstration applications providing full device functionality both visually and through COM-server technology;</p> <p>Inclusion of source code examples in Microsoft Visual Studio for .NET and Delphi/Embarcadero programming environments, enabling access to all device functionalities via COM-server technology provided by the SDK.</p>
5.	Certificates of Conformity		
	<p>ISO 27001:2022 – Information Security Management Systems;</p> <p>ISO 14001:2015 – Environmental</p>	Comply	<p>ISO 27001:2022 – Information Security Management Systems;</p> <p>ISO 14001:2015 – Environmental</p>

	Management Systems; ISO 9001:2015 – Quality Management Systems; CE in compliance with: the Directive on Waste Electrical and Electronic Equipment (WEEE); and Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS Directive)		Management Systems; ISO 9001:2015 – Quality Management Systems; CE in compliance with: the Directive on Waste Electrical and Electronic Equipment (WEEE); and Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS Directive)
6.	Documentation		
	The user manual, data/form sheet, and programmer's manual shall be provided in Romanian, English, and Russian languages.	Comply	The user manual, data/form sheet, and programmer's manual are provided in Romanian, English, and Russian languages.
7.	Warranty		
	<p>The warranty period shall be at least 5 (five) years starting from the date of commissioning (start of operation).</p> <p>Warranty Service and Prototype Provision</p> <p>All warranty servicing costs shall be borne by the supplier, including expenses related to: the transportation of the equipment to and from the authorized service center; and the return delivery of the equipment to its operational location, if transportation to the service center is required for maintenance or repair purposes.</p> <p>Additionally, the supplier shall, upon request, provide a prototype unit of the equipment for testing or evaluation purposes.</p>	Comply	<p>The warranty is 5 (five) years starting from the date of commissioning (start of operation).</p> <p>Prototype upon request.</p>
8.	Monitor – Minimum Requirements		
	<p>Display type: IPS matrix, 21.5-inch / 55 cm, international brand name;</p> <p>Resolution: 1920 × 1080 pixels (Full HD);</p> <p>Viewing Angle: 178° / 178° (horizontal / vertical);</p> <p>Brightness: 250 cd/m²;</p> <p>Contrast ratio: 1000:1;</p> <p>Response time: 5ms;</p> <p>Ports: 1 x DisplayPort, 1 x HDMI or mini HDMI 1 x USB or USB-C;</p> <p>Warranty: at least 5 (five) years from the date of commissioning (start of operation).</p>	Comply	<p>Dell 22 Monitor - P2225H</p> <p>Display type: IPS matrix, 21.5-inch / 55 cm</p> <p>Resolution: 1920 × 1080 pixels (Full HD);</p> <p>Viewing Angle: 178° / 178° (horizontal / vertical);</p> <p>Brightness: 250 cd/m²;</p> <p>Contrast ratio: 1,500: 1;</p> <p>Response time: 5ms;</p> <p>Ports (improvement of the required specification):</p> <p>1x HDMI 1.4 (HDCP 1.4) (Supports up to FHD 1920 x 1080 100Hz TMDS as per specified in HDMI 1.4)</p> <p>1x DP 1.2 (HDCP 1.4)</p> <p>1x VGA</p> <p>1x USB 3.2 Gen1 Type-B upstream</p> <p>3x USB 3.2 Gen1 Type-A downstream</p>

			1x USB 3.2 Gen1 Type-C downstream with up to 15W PD (data only) Warranty: 5 (five) years from the date of commissioning (start of operation).
9.	Peripherals		
	Keyboard: USB standard keyboard, English–Russian, QWERTY layout; Mouse: USB optical mouse with 2 buttons and scroll wheel; Connection Cables: Connection cable between the monitor and the travel document reader, for low-voltage signal transmission, supporting HDMI / DisplayPort / mini-HDMI / or equivalent interface; Power cable for 220V AC electrical connection, intended for both the monitor and the travel document reader.	comply	Keyboard: USB standard keyboard, English–Russian, QWERTY layout; Mouse: USB optical mouse with 2 buttons and scroll wheel; Connection Cables: <ul style="list-style-type: none"> • 1x Power cord • 1x DP-to-DP cable, 1.8m • 1x USB 3.2 Gen1 Type A-to-B (upstream) cable, 1.8m Power cable for 220V AC electrical connection, intended for both the monitor and the travel document reader.
10.	Electrical Extension Cable for UPS (C14)		
	Number of socket: minimum 3 outlets Cable length: minimum 1.5 meters	Comply	Number of sockets: 3 outlets Cable length: 1.5 meters

Signed: _____

Name, Surname: Māris Kaminšis

Position: Member of the Board

Tenderer: Regula Baltija LLC

Address: 34 Viskū street, Daugavpils, LV-5400, Latvia

