# ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER

Contract title: Supply of control equipment for the BCP QafëBotë

INTERREG IPA CPC Greece-Albania, COMOBILION Project: "Reconstruction of BCP QafëBotë and the Rehabilitation of Around Area" p 1/...

Publication reference: 20184/10-11-2021

Columns 1-2 should be completed by the contracting authority Columns 3-4 should be completed by the tenderer Column 5 is reserved for the evaluation committee

Annex III - the contractor's technical offer

The tenderers are requested to complete the template on the next pages:

- Column 2 is completed by the contracting authority shows the required specifications (not to be modified by the tenderer),
- Column 3 is to be filled in by the tenderer and must detail what is offered (for example the words 'compliant' or 'yes' are not sufficient)
- Column 4 allows the tenderer to make comments on its proposed supply and to make eventual references to the documentation

The eventual documentation supplied should clearly indicate (highlight, mark) the models offered and the options included, if any, so that the evaluators can see the exact configuration. Offers that do not permit to identify precisely the models and the specifications may be rejected by the evaluation committee.

The offer must be clear enough to allow the evaluators to make an easy comparison between the requested specifications and the offered specifications.

1.	2.	3.	4.	5.
Item number	Specificationsrequired	Specificationsoffered	Notes, remarks, ref. to documentation	Evaluation committee's notes
1. CAR LIFT BRIDGE	<ul> <li>18,000-lb. lifting capacity</li> <li>Padded overhead safety shutoff bar</li> <li>Extended height top-beam provides greater overhead clearance</li> <li>Single-point safety release</li> <li>Dual direct-drive hydraulic cylinders</li> <li>Dual-synchro equalization system for equal lifting</li> <li>Oversized 53" tall carriage for superior strength and durability</li> <li>Electric / hydraulic power system</li> <li>Oversized A36 steel base plates</li> <li>Self-lubricating dura-glide UHMW polyethylene bearing system</li> <li>Safety locks in each column spaced every 3"</li> <li>Plated arm restraints and arm pins for rust prevention</li> <li>Heavy-duty 1/2" aircraft-quality equalizer cables</li> <li>Oversized cable sheave diameter reduces cable fatigue</li> <li>Durable, rubber lift pads with stackable adapters</li> <li>Multi-piece adapter set includes four 6" stackable adapters, four 3" stackable adapters, four polyurethane contact pads and four frame cradle pads. Ideal for trucks and vans with running boards or auxiliary fuel tanks.</li> <li>Convenient storage is included for truck and van adapters</li> <li>Versatile drop-in contact pads with stackable adapters</li> </ul>			
	Lifting Capacity* 18,000 lbs. (8,165 kg)			
	*Max Capacity / Front Axle 9,000 lbs. (4,082 kg)			
	*Max Capacity / Rear Axle 9,000 lbs. (4,082 kg) Rise			

	A - Rise: 69" (1,753 mm)
	B - Rise + Pad Only: 74" (1,880 mm)
	C - Rise + Pad + 63 mm Adapter: 80" (2,032 mm)
	D - Min. Height + Pad: 5" (127 mm)
	Time to Full Rise: 45 seconds
	Outside Dimensions
	E - Height Overall: 170" (4,318 mm)
	F - Width Overall: 155" (3,937 mm)
	G - Outside Columns: 144" (3,658 mm)
	Inside Dimensions
	H - Inside Columns: 120" (3,048 mm)
	I - Drive-Thru Clearance: 106" (2,692 mm)
	J - Floor To Overhead Switch: 165" (4,191 mm)
	Arms & Pads
	K - Front Arm Reach: (MIN) 39" (991 mm)
	K - Front Arm Reach: (MAX) 60" (1,524 mm)
	L - Rear Arm Reach: (MIN) 39" (991 mm)
	L - Rear Arm Reach: (MAX) 60" (1,524 mm)
	Max Load Per Arm 4,500 lbs. (2,041 kg)
	Power Unit
	Motor: 220 VAC / 60 Hz / 1 Ph
	Noise: 45 dB
	Shipping
	Weight: 2,726-lbs. (1,236 kg)
	Dimensions: 175" x 29" x 34" (794 mm x 737 mm x 864 mm)
2. <u>LUGGAGE</u>	PHYSICAL SPECIFICATIONS 1
<u>SCANER</u>	DIMENSIONS
	L 3,643 mm (143.4 in)

		1
W 2,029 mm (79.9in)		
H 2,111 mm (83.1 in)		
TUNNEL SIZE		
W 1,010 mm (39.8 in)		
H 1,010 mm (39.8 in)		
CONVEYOR HEIGHT 348 mm (13.7 in) CONVEYOR LOAD1 200 Kg (441 lbs)		
GROSS WEIGHT 2,105 Kg (4,640 lbs)		
<b>WEIGHT (NET)</b> 1,657 Kg (3,653 lbs)		
ENVIRONMENT & POWER		
STORAGE TEMPERATURE -20°C to 50°C		
OPERATING TEMPERATURE0°C to 40°C		
RELATIVE HUMIDITY5 to 95% non-condensing		
SYSTEM POWER 100/110/120/200/208		
/220/230/240 VAC ±10%		
X-RAY GENERATOR		
ANODE VOLTAGE 160kV		
ORIENTATION Diagonally, Downward & Horizontal		
STANDARD SPEED PERFORMANCE		
2 CONVEYOR SPEED 0.20 m/sec (39.4 ft/min)		
POWER 1.3 kW		
STEEL PENETRATION 38 mm typical, 37 mm standard		
WIRE RESOLUTION 40 AWG typical, 38 AWG standard		
SPATIAL RESOLUTION 1.3 mm (0.05 in)		
Vertical / Horizontal		
HIGH SPEED PERFORMANCE		
2 CONVEYOR SPEED 0.35 m/sec (68.9 ft/min)		
POWER 1.3 kW		

	STEEL PENETRATION 36 mm typical, 35 mm standard
	WIRE RESOLUTION 40 AWG typical, 38 AWG standard
	SPATIAL RESOLUTION 1.3 mm (0.05 in)
	Vertical / Horizontal
	HYPER SPEED PERFORMANCE
	2 CONVEYOR SPEED 0.5 m/sec (98.4 ft/min)
	POWER 1.3 kW
	STEEL PENETRATION 36 mm typical, 35 mm standard
	WIRE RESOLUTION 40 AWG typical,
	38 AWG standard
	SPATIAL RESOLUTION 1.3 mm (0.05 in)
	Vertical / Horizontal
	KEY FEATURES AND OPTIONS
	Explosive threats, narcotics & density alerts Spectrum 4
	17 Image processing functions
	SINERGY low density enhancement
	Dual Mode Z-effective CrystalClear <sup>TM</sup> , Automatic, Enhanced Image Archiving
	E.U. Approved Threat Image Projection Remote Status Monitoring Remote Archive Review
	Multi -Systand Matrixing 13 Languages 64-bit Operating System
3. CAR SEARCH	Heavy Duty Inspection Probe Kit
TOOL KIT	3/16 x 15" SLIMLINE stainless steel probe
	3/8 x 15" Heavy-duty stainless steel extension with sample retrieving tip
	3/8 x 15" Threaded stainless steel extension with integral handle

3/8 x 15" Threaded stainless steel extension section
Expandable from 29" to 57"
CAR TOOL WIT
CAR TOOL KIT
24) 1/4 in. Drive Sockets – 6 pt.
(20) 1/4 in. Drive Deep Sockets – 6 pt.
(25) 3/8 in. Drive Sockets – 6 pt.
(9) 3/8 in. Drive Deep Sockets – 6 pt.
(1) 1/4 in. Drive Quick Release Pear Head Ratchet
(1) 3/8 in. Drive Quick Release Pear Head Ratchet
(1) 3/8 in. Drive Spark Plug Socket 5/8 in. – 6 pt.
(2) 11 pc. Bit Rails
(1) 1/4 in. Drive Extension – 3 in.
(1) 3/8 in. Drive Extension – 3 in.
(2) 8 pc. Hex Keys – SAE & Metric
(1) 1/4 in. Drive Spinner Handle
(1) 1/4 in. Drive Bit Adapter
(1) Blow-Molded Case
(1) 21011 111011111 011101
<ul><li>POCKET KNIFE</li><li>POWER DRILL KIT</li></ul>
BLUETOOTH COMPATIBILITY TRUE
BLUETOOTH CONNECTIVITY 100 FT
CHUCK SIZE 1/2" MAX RPM 0 - 2000 RPM
POWER TOOL TYPE CORDLESS
TOOL LENGTH 8.4 IN
TOOL WEIGHT 3.5 LBS
TOOL WIDTH 2.7 IN
INCLUDES
INCLUDES

	(1) 20V MAX* 1/2 in. Brushless Cordless Hammer Drill/Driver with Integrated Bluetooth®(1) DCB115 Charger(2) DCB205BT Batteries(1) 360-degree side handle(1) Kit Box(2) 20V MAX* Lithium Ion 5.0Ah Batteries with Tool Connect <sup>TM</sup> (2) 20V MAX* Lithium Ion 5.0Ah Batteries with Tool Connect		
4.PASSPORT READER	OPTICAL SPECIFICATIONS  IMAGE SENSOR 3 Megapixel  IMAGE RESOLUTION 400 PPI  FACE IMAGE RESOLUTION 700 PPI (available in type P devices)  IMAGE COLOR DEPTH 24 bits/pixels [RGB, 8bits/pixels (infra image)]  HARDWARE UNITS  INTERNAL MEMORY Storing factory calibration  FIRMWARE UPGRADE Automatic  BUILT IN DSP DATA PROCESSING UNIT  MECHANICAL DATA  SIZE WITH COVER 213 x 173 x 179 mm (8.39" x 6.81" x 7.08")  WINDOW SIZE 130 mm x 98 mm (5.12" x 3.86")  CASE ABS plastic on metal base  WINDOW GLASS 4mm tempered glass  OPERATING TEMPERATURE +5 °C to +45 °C (41 °F to 113 °F)  OPERATING HUMIDITY 0-95% (non-condensing)		
	WEIGHT 2.2kg - 2.4kg (4.85-5.29lb) depending on the model  NO MOVING PARTS  KENSINGTON SECURITY SLOT  OTHER SPECIFICATIONS		
	OTHER SI ECHTICATIONS		

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COMPLIANCES CE, FCC, RoHS, IEC62471	
INTERFACE USB 2.0	
3PCS FREE USB PORTS Available in type U devices	
NUMBER OF STATUS LEDS 3 programmable	
POWER External power supply included (100-240V AC, 50/60Hz)	
RFID MODULE	
SINGLE STEP READING	
DUAL RFID ANTENNA	
RFID CHIP IS DETECTED IN ANY POSITION WITHIN THE PASSPORT	
SUPPORT ALL ISO14443 A/B CHIP TYPES	
ACTIVE/PASSIVE AUTHENTICATION, BAC, EAC	
RFID DATA IS READ WITH THE HIGHEST POSSIBLE SPEED SUPPORTED BY THE CHIP	
SMART CARD MODULE	
SUPPORT ISO 7816 & EMV2 2000 LEVEL 1 STANDARDS	
ADVANCED DOCUMENT AUTHENTICATION MODULE (ADAM)	
MRZ CHECKSUM VALIDATION	
MRZ VS. VIZ COMPARING Optional	
PRINTED MRZ COMPARING TO MRZ STORED IN RFID CHIP	
PRINTED FACE PHOTO COMPARING TO PHOTO STORED IN RFID CHIP -DG2- Optional	
EXPIRY DATE CHECK	

B900 INK CHECK
UV DULL PAPER CHECK (in case of
devices with UV light)
AUTOMATIC PATTERN MATCHING UNDER NORMAL, UV, IR LIGHT Optional, ask for details
AUTHENTICATION METHODS WITH PHOTO CAMERA (TYPE P DEVICES)
PHOTO SUBSTITUTION CHECK Manual
JURA IPI DECODING Optional
GSSC VIPHOTO™ DECODING Optional
BACKGROUND PRINTING CHECK Manual
MICROPRINTING CHECK Manual
SOFTWARE DEVELOPMENT KIT (SDK)
SUPPORTED OS Windows 7 (32/64bit)
Windows Vista (32/64bit)
Windows XP (32/64bit)
Windows Server 2003 (32/64bit)
Windows Server 2008 R2 (32/64bit)
Linux (optional, ask for details)
PROGRAMING LANGUAGES
C/ C++
C#
Visual Basic 6.0
Delphi
VB.NET
Java
MRZ OCR READING ICAO 9303
VIZ OCR READING Zones defineable by user
2D BARCODE READING PDF 417

	Data Matrix	
	QR Code	
	Aztec Code	
	1D BARCODE READING UPC-A, EAN8, EAN13, Code39, Code128.	
	Interleaved 2 of 5	
	IMAGE FORMAT	
	ВМР	
	JPG	
	JPG2000	
	PNG	
	EXTENDED HIGH COLOUR FIDELITY (XCF)Automatic colour calibration	
	Outstading delta E value (ref. Q-60R2 Kodak Target)	
5.DOCUMENT	MAGNIFICATION	
SEARCH TOOL	Magnifier	
	An integral 75mm circular magnifier with 3X magnification and with a local area of 6X magnification.  The magnifier is attached to the Checkpoint- DC with a chain so that it may be used anywhere inside or outside the examination area. This allows maximum flexibility not provided by a fixed position magnifier; when not in use the magnifier is stored on the side of the Checkpoint-DC.	
	Loupe	
	A 10X stand loupe with a removable reticule for the checking of fine print and microprinting; the loupe is stored in a clip on the rear of the Checkpoint-DC when not in use or for transport.	
	LIGHT SOURCES	
	Overhead incident white	
	Two 10 watt quartz halogen for the visual examination of print quality and for checking for evidence of tampering.	
	Overhead incident Ultraviolet	

Three wavelengths of ultraviolet illumination for the highlighting of security safeguards or for exposing alteration and staining. 365nm longwave Ultraviolet 4 x 6 watt black light blue lamps (total lamp power 24 313nm midwave Ultraviolet A single compact 9 watt lamp with a narrow emission band at 313nm 254nm shortwave Ultraviolet A single compact 9 watt lamp The 313nm and 254nm lamps are housed behind a special filter which blocks any visible lights from the lamps which might interfere with the highlighting of fluorescent security safeguards. Transmission Three light source housed behind a transmission window in the examination area which are used to verify transmission security safeguards such as threads, watermarks, perfect resolution printing and embedded fibres. Diffuse white Two 11 watt compact lamps giving even illumination of the complete examination area, principally used for the checking of watermarks. Spot white A single 20 watt halogen lamp giving an intense beam for the examination of obliterations and suspected photo substitution. Longwave Ultraviolet Two 6 watt 365nm black light blue lamps for the highlighting of paper and printed security safeguards from the rear. Oblique A 20 watt halogen lamp mounted at the rear of the examination area provides glancing illumination over the

working area for the examination of erasures, dry stamps and indented writing.

### Coaxial

A 20 watt halogen lamp to reveal retroreflective security safeguards in laminates. A narrow beam of light is reflected off the front window of Checkpoint-DC to produce a beam onto the document which is coaxial with the operator's eyes and so hidden images may be seen.

## Intensity Adjustment

The overhead incident light, oblique and coaxial lamps may be adjusted in brightness with a simple push button control.

## Lamp Switching

All the lamps are controlled from a single navigation switch assembly; a lamp is selected by pressing the up or down buttons and then pressing the OK button; the selected lamp may be switched off by either pressing the OK button again or selecting another lamp. The left/right buttons of the navigation switch adjust the brightness of the overhead incident light, oblique and coaxial lamps.

## **POWER**

A switched mode external power supply with mains cable is supplied with each system. Specification: Power input 100 to 240 volts ac at 1.8 amps, power output 12 volts dc at 5 amps. Dimensions 110 x 60 x 35 mm, weight 550 grams with cable. The cable is supplied to suit local power outlets. Alternatively any 12 volt dc power supply capable of sourcing 5 amps may be used, and with suitable connecting cables the Checkpoint-DC may be run from a vehicle supply.

### MECHANICAL

Footprint: 358mm (width) x 328mm (depth)

Height: 300mm including handle

Weight: 6kg

Examination area: 300mm (width) x 230mm (depth) - A4

size

DOCUMENT HOLDING

	The Checkpoint-DC has a unique document holding feature which allows hands-free document examination.  Two pairs of embedded magnets behind the transmission window are used with two flexible steel strips to hold documents firmly in place whilst being checked, particularly useful when examining open passport pages.  SAFETY  A system of UV blocking windows ensures that the amount of ultraviolet radiation reaching the operator is minimised.		
	In addition, the Checkpoint-DC has detectors that switch off the 254nm and 313nm UV lamps when the operator's hands enter the examination area.		
6.BINOCULARS	Specifications		
	Magnification		
	12		
	Objective diameter (mm)		
	40		
	Field of view (°)		
	4.7		
	Apparent field of view (°) *1		
	52.4		
	Field of view at 1000m (m)		
	82		
	Exit pupil		
	3.3		
	Twilight factor		
	11.1		
	Eye relief (mm)		
	17		
	Minimum Focus Distance (m) *2		
	Height (mm)		
	210		

	Width (mm)
	200
	Depth (mm)
	90
	Weight (g)
	(w/o Battery)
	1,800
	Adustment range for interpupillary distance (mm)
	60-70
	Dioptric adjustment range (±mm)
	±5
	Focus type
	IF
	Water resistant*3
	2m-5min
	Battery
	AA×4 or 2CR5×1
	Operationg temperature
	-20°C-+50 °C
7.RADIATION DETECTION TOOL	<ul> <li>Cesium Iodide scintillation detector</li> <li>Detector size is 0.5" diameter (1.3 cm) X 1.5" long (3.8 cm)</li> <li>Unit size is 4.1" X 2.4" X 0.9" (10.2 cm X 6.1 cm X 2.3 cm)</li> <li>Weighs 6 oz. (170 g) with batteries</li> <li>Operating temperature range from -13 to 122 degrees F (-25 to 50 degrees C)</li> <li>45 KeV low energy cutoff</li> <li>Runs continuously for over 1 year on 2 AA alkaline batteries</li> <li>Less than one second integration time (response time)</li> <li>Flashing yellow LED (high intensity daylight</li> </ul>

	visible), audio, and vibrator alarms  Seven segment LED display indicates radiation intensity  Modulated audio tone and high intensity daylight visible LED indicate radiation intensity
8. MULTIFUNCTIONAL TOOLS	Buster  Depth of reading 6 inches (15.2 cm)  Source type Barium 133  Source size 7.50 microcuries (.28MBq)  Radiation detection feature Rad-Aware®  Scan rate 0.25 seconds/reading  Audible alert yes  Multiple scanning modes 3 - Raw, Scan, Zero Scan  Calibration Required  Calibration Required  Calibration block Required & Included  Digital numerical display Yes  Pushbutton backlight display Yes  Low battery indicator Yes  Battery 1 x 9V alkaline  Batery life 6 - 12 months  Internal Lead Components NONE  External Lead Components NONE  External Lead Components NONE  Dimensions 5.5 x 2.5 x 2.5 x (140 x 64 x 64 mm)  Weight 2.0 lbs (0.9kg)  Warranty 2-2 Years  ■ Backlight & Remote Display
	- Davidin to Remote Disputy

	Calibration Block, Holster, Headset, accessories	Т	
	T.5 micro-curie source		
	no internal lead/solder		
	o Perfect Vision® V20 Videoscope –		
	UL certified safe for hazardous		
	location use		
	• 2-way articulation, 2.0m (80") x 6mm (1/4")		
	probe, 5" (12.7cm) LCD Display		
	Built-in LED lighting, 3.5x digital zoom, up to		
	8,000 photos or 4 hours storage capacity		
	o LRF LEICA Laser Rangefinder		
	o PM-10 Telescoping Inspection		
	Mirror with Flashlight		
	o P–41 Heavy Duty Expandable Steel		
	Inspection Probe Kit		
	o PN-30 Pocket Pencil Inspection		
	Probes (set of 6)		
	o CT-PTK Personal Inspection Tool		
	Kit, with holster		
	o Custom waterproof CT-40 "Pelican"		
	Carrying Case with wheels and		
	handles		
	o K9-150G Extension Pole System		
	(optional)		
9.Electric Torch	Features		
	Footures		
	Features		
	Uses the latest CREE XHP70 P2 LED with a max output		
	of 3000 lumens and a maximum runtime of 150 hours		
	Maximum beam distance of 300m		
	Powered by 1 x 26650 Li-ion battery (supplied)		
	Directly rechargeable via Micro-USB		
	Side switch with a specially designed lock function to prevent accidental illumination		
	Instant access to turbo or low mode with a single press, ideal for emergency use		
	Battery capacity indicator displays the remaining power		
	Smart temperature control system protects the LED and internal component		

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Specification		
LED: CREE XHP35 HD E4 LED		
Voltage: 2.5V-8.4V		
Compatible Batteries: 1 x 18650, 2 x CR123A		
Reflector: Orange Peel		
Switch Type: Tail Switch & Side Switch		
Material: 6061-T6 Aluminium Alloy, Mil-Spec HAIII Anodising		
Waterproof: IPX-8		
Lens: Hardened, AR-coated lens, Scratch-resistant		
Dimensions		
Length: 120mm		
Body: 24.5mm		
Head: 25.6mm		
Weight: 80.2g (excluding battery)		
What you get		
Klarus G10		
1 x Klarus 18650 Battery		
Micro-USB Cable		
Lanyard		
Holster		
Spare O-ring		
User Manual		
Warranty		
This torch comes with a 5 year warranty from the manufacturer, Klarus. See the User Manual that comes with the Klarus torch.		
Output & Runtimes		
Turbo: 1800 Lumens / 1 hrs		
High: 400 Lumens / 4 hrs		

	Medium: 100 Lumens / 14 hrs
	Low: 10 Lumens / 170 hrs
	Strobe: 1800 Lumens / 2 hrs
	SOS: 100 Lumens / 38 hr
<u>10.TIRE</u>	Performance level: LK2
COMPRESSOR	Housing dimensions [mm]: 150x130x60
	Storage temperature range: -40°C to +85°C
	Working temperature range: -40°C to +70°C
	Performance requirements according to LH (Pressure/Fill time/Pressure Vessel): 3,0bar/420s/35L
	Power cable length [mm]: 3000
	Power cable cross section [mm2]: 1,0
	Maximum power consumption: 15A
	Power connector: car lighter plug
11.WATER PUMP	Pump
	Maximum output capacity (L/min) 500
	Inlet/outlet diameter thread type (mm/inches) 50/2-PF
	Total head (m) 50
	Suction head (m) 8
	Pressure (bars) 5
	Debris size capacity (mm) 3
	Engine
	Engine Model GX160
	Engine type 4-stroke, OHV,** 1 cylinder
	Displacement (cm³) 163
	Bore x stroke (mm) 68 x 45
	Engine speed (rpm) 3600 max
	Engine net power (kW) 3.6
	Cooling system Forced air

	Ignition system Transistor
- 1	Oil capacity (L) 0.6
j	Fuel tank capacity (L) 3.1
	Operating time 2h30 approx
;	Starter system Recoil
;	Sound pressure level at workstation (dB(A)) 91
	Guaranteed sound power level (dB(A)) 106
1	Dimensions
1	Length (mm) 520
,	Width (mm) 400
1	Height (mm) 450
1	Dry weight (kg) 27

# Annex 1

No.	Unit	Quantity	Warranty/Training/Maintenance
	CAR LIFT BRIDGE	1	1 year warranty  Manual and training  5 Year maintenance 2 times a year
	LUGGAGE SCANER	1	5 year warranty/ 5 year maintenance
	CAR SEARCH TOOL KIT	2	1 year warranty
	PASSPORT READER	2	2 year warranty/maintenance
	DOCUMENT SEARCH TOOL	6	2 year warranty/maintenance
	BINOCULARS	6	1 year warranty
	RADIATION DETECTION TOOL	12	1 year warranty
	MULTIFUNCTIONAL TOOLS	2	1 year warranty
	ELECTRIC TORCH	6	1 year warranty/rechargeable batteries
	TIRE COMPRESSOR	2	1 year warranty
	WATER PUMP	1	1 year warranty/consumables