

**NOTICE OF CHANGE OF TECHNICAL SPECIFICATIONS, SCHEDULE OF REQUIREMENTS, PRICE  
SCHEDULE FORM AND CHANGE OF ATTACHMENT I\_LIST OF VEHICLES FOR INSTALLATION OF  
GPS SOFTWARE, GPS DEVICES, CAN READERS AND FUEL LEVEL SENSOR**

OPEN TENDER (RFQ)

BENEFICIARY COUNTRY: Serbia

REFERENCE NUMBER: UNOPS-SMOIA-2017-G-006

DESCRIPTION: Purchase and installation of GPS software and GPS devices

UNCCS CODE:

POSTING DATE: 10 April 2017

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The following parts of RFQ , are changed as follows:

**Section III: Schedule of Requirements**

Item No	Description of Goods	Quantity
1.	Purchase and installation of GPS software with maintenance and support for 24 months from the contract signature	1
2.	Purchase and installation of GPS devices_ as per attached list of vehicles	50
3.	Purchase and installation of CAN data reader_ as per attached list of vehicles	35
4.	Purchase and installation of Fuel level sensor_ as per attached list of vehicles	15
5.	Purchase of SIM cards with included total consumption costs per SIM cards for 24 months	50

The table above is changed as follows:

Item No	Description of Goods	Quantity
1.	Purchase and installation of GPS software with maintenance and support for 24 months from the contract signature	1
2.	Purchase and installation of GPS devices_ as per attached list of vehicles	50
3.	Purchase and installation of CAN data reader_ as per attached	<b>19</b>

	list of vehicles	
4.	Purchase and installation od and Fuel level sensor_ as per attached list of vehicles	31
5.	Purchase of SIM cards with included total consumption costs per SIM cards for 24 months	50

**Section IV: Returnable Bidding Forms**
**Form B: Price Schedule Form**

Item No	Description of Goods	Quantity	Unit price DAP VAT excluded RSD	Total price DAP VAT excluded RSD
1.	Purchase and installation of GPS software on Ministry of Interior (Mol) server with maintenance and support for 24 months from the contract signature with obligatory arrival to Mol server in Belgrade every time when is needed ( <b>TeamViewer solution is not applicable</b> )	1		
2.	Purchase and installation of GPS devices_ as per attached list of vehicles	50		
3.	Purchase and installation of CAN data reader_ as per attached list of vehicles	35		
4.	Purchase and installation od and Fuel level sensor_ as per attached list of vehicles	15		
5.	Purchase of SIM cards with included total consumption costs per SIM cards for 24 months	50		
<b>TOTAL:</b>				

The table above is changed as follows:

Item No	Description of Goods	Quantity	Unit price DAP VAT excluded RSD	Total price DAP VAT excluded RSD
1.	Purchase and installation of GPS software on Ministry of Interior (Mol) server with maintenance and support for 24 months from the contract signature with obligatory arrival to Mol server in Belgrade every time when is needed <b><u>(TeamViewer solution is not applicable)</u></b>	1		
2.	Purchase and installation of GPS devices_ as per attached list of vehicles	50		
3.	Purchase and installation of CAN data reader_ as per attached list of vehicles	19		
4.	Purchase and installation od and Fuel level sensor_ as per attached list of vehicles	31		
5.	Purchase of SIM cards with included total consumption costs per SIM cards for 24 months	50		
			TOTAL:	

## Form C: Technical Quotation Form

### Technical specifications for goods – Comparative Data Table

Item No	UNOPS minimum technical requirements	Quantity	Is quotation compliant? Bidder to complete	Details of goods offered. Bidder to complete Insert details of goods offered, including specifications and brand/model offered if applicable
2	<p><b>Technical specification – GPS devices</b></p> <p>GPS/GLONASS receiver FMS support (CAN bus data j1939)</p> <ul style="list-style-type: none"> <li>• <b>RS232 two port communications</b></li> <li>• 2 digital inputs</li> <li>• 2 analog inputs</li> <li>• <b>Sending data GPRS (TCP/IP and UDP/IP protocols), SMS communication</b></li> <li>• Location determination 5 m or better</li> <li>• Data reading from CAN Bus (FMS standard)</li> <li>• Deep Sleep mode (saving vehicle's accumulator)</li> <li>• Internal battery minimum 500 mAh</li> <li>• Accelerometer</li> <li>• Driver identification(1-Wire® iButton ID key)</li> <li>• Digital output 1 minimum,</li> <li>• Power supply 10-30V</li> <li>• Overvoltage protection</li> <li>• Fuel monitoring LLS (possibility of adding a digital or analog fuel level sensor for measuring fuel consumption of the old vehicles)</li> <li>• Fuel monitoring CAN FMS (possibility of adding CAN reader for digital fuel consumption with CAN trip computer vehicle EURO3 and higher)</li> <li>• <b>Warranty 24 months</b></li> </ul> <hr/> <p><b>Tehnička specifikacija – GPS uređaj:</b></p> <p>GPS/GLONASS prijemnik FMS support (CAN bus data j1939)</p> <ul style="list-style-type: none"> <li>• <b>RS232 komunikacija dva porta</b></li> <li>• 2 digitalna ulaza</li> <li>• 2 analogna ulaza</li> </ul>	50	<input type="checkbox"/> Yes <input type="checkbox"/> No	

	<ul style="list-style-type: none"> <li>• <b><u>Slanje podataka GPRS (TCP/IP and UDP/IP protocols), SMS komunikacija</u></b></li> <li>• Tačnost pozicije 5m ili bolje</li> <li>• Očitavanje podataka sa CAN Bus (FMS standard)</li> <li>• Deep Sleep mode (cuvanje akumulatora vozila)</li> <li>• Interna baterija minimum 500 mAh</li> <li>• Akcelerometer</li> <li>• Identifikacija vozaca (1-Wire® iButton ID key)</li> <li>• Digitalni izlaz 1 minimum,</li> <li>• Radni napon 10-30V</li> <li>• Zaštita od prekomerne struje</li> <li>• Praćenje potrošnje goriva LLS (mogucnost dodavanje analogne ili digitalne sonde za merenje potrošnje goriva na starim vozilima</li> <li>• Praćenje potrošnje goriva CAN FMS ( dodavanje CAN čitača za digitalnu potrošnju goriva sa CAN putnog računara vozila EURO3 i noviji )</li> <li>• Garancija 24 meseci</li> </ul>			
3	<p><b>Technical specifications – CAN data reader:</b></p> <ul style="list-style-type: none"> <li>• Readable data:</li> <li>• Vehicle Driven Distance</li> <li>• Total fuel consumption</li> <li>• Fuel level (Dashboard)</li> <li>• Engine speed (RPM)</li> <li>• Vehicle speed (wheel)</li> <li>• Warranty 24 months</li> </ul> <hr/> <p><b>Tehnička specifikacija – CAN čitač podataka:</b></p> <ul style="list-style-type: none"> <li>• Podaci koji se očitavaju:</li> <li>• Pređena kilometraža po podatku iz vozila</li> <li>• Ukupna potrošnja goriva</li> <li>• Fuel level (Dashboard) – Potrošnja goriva po podatku iz vozila</li> <li>• Merač broja obrtaja motora vozila</li> <li>• Brzina vozila</li> <li>• Garancija 24 meseci</li> </ul>	35	<input type="checkbox"/> Yes <input type="checkbox"/> No	
4	<b>Technical specifications –Fuel</b>	15	<input type="checkbox"/> Yes	

	<p><b>level sensor:</b></p> <ul style="list-style-type: none"> <li>• Operating temperature - 40 to +80 °</li> <li>• Protection level minimum IP57</li> <li>• Supply voltage 10V-60V</li> <li>• External ports : RS 232, RS 485</li> <li>• Measurement inaccuracy +/- 1%</li> <li>• Warranty 24 months</li> </ul> <hr/> <p><b>Tehnička specifikacija – Sonda:</b></p> <ul style="list-style-type: none"> <li>• radna temperatura - 40 to +80 °</li> <li>• nivo zaštite minimum IP57</li> <li>• napajanje od 10V-60V</li> <li>• izlazni portovi : RS 232, RS 485</li> <li>• greška merenja +/- 1%</li> <li>• Garancija 24 meseci</li> </ul>		<input type="checkbox"/> No	
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The table above is changed as follows:

**Technical specifications for goods – Comparative Data Table**

Item No	UNOPS minimum technical requirements	Quantity	Is quotation compliant? Bidder to complete	Details of goods offered. Bidder to complete Insert details of goods offered, including specifications and brand/model offered if applicable
2	<p><b>Technical specification – GPS devices</b></p> <p>GPS/GLONASS receiver                      FMS support (CAN bus data j1939)                      • <b>RS232 two communications port or one RS232 and one RS485 port</b>                      • 2 digital inputs                      • 2 analog inputs                      • <b>Sending data GPRS (TCP/IP protocols), SMS communication</b>                      • Location determination 5 m or better                      • Data reading from CAN Bus (FMS standard)                      • Deep Sleep mode (saving vehicle's accumulator)                      • Internal battery minimum 500 mAh</p>	50	<input type="checkbox"/> Yes <input type="checkbox"/> No	

<ul style="list-style-type: none"><li>• Accelerometer</li><li>• Driver identification (1-Wire® iButton ID key)</li><li>• Digital output 1 minimum,</li><li>• Power supply 10-30V</li><li>• Overvoltage protection</li><li>• Fuel monitoring LLS (possibility of adding a digital or analog fuel level sensor for measuring fuel consumption of the old vehicles)</li><li>• Fuel monitoring CAN FMS (possibility of adding CAN reader for digital fuel consumption with CAN trip computer vehicle EURO3 and higher)</li><li>• <b>Warranty 24 months</b></li></ul> <hr/> <p><b>Tehnička specifikacija – GPS uređaj:</b></p> <p>GPS/GLONASS prijemnik FMS support (CAN bus data j1939)</p> <ul style="list-style-type: none"><li>• <b><u>RS232 dva komunikaciona porta ili jedan RS 232 I jedan RS 485 komunikacioni port</u></b></li><li>• 2 digitalna ulaza</li><li>• 2 analogna ulaza</li><li>• <b><u>Slanje podataka GPRS (TCP/IP protocols), SMS komunikacija</u></b></li><li>• Tačnost pozicije 5m ili bolje</li><li>• Očitavanje podataka sa CAN Bus (FMS standard)</li><li>• Deep Sleep mode (cuvanje akumulatora vozila)</li><li>• Interna baterija minimum 500 mAh</li><li>• Akcelerometer</li><li>• Identifikacija vozaca (1-Wire® iButton ID key)</li><li>• Digitalni izlaz 1 minimum,</li><li>• Radni napon 10-30V</li><li>• Zaštita od prekomerne struje</li><li>• Praćenje potrošnje goriva LLS (mogucnost dodavanje analogne ili digitalne sonde za merenje potrošnje goriva na starim vozilima)</li><li>• Praćenje potrošnje goriva CAN FMS ( dodavanje CAN čitača za digitalnu potrošnju goriva sa CAN putnog računara vozila EURO3 I noviji )</li><li>• Garancija 24 meseci</li></ul>			
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<p>3</p>	<p><b>Technical specifications – CAN data reader:</b></p> <ul style="list-style-type: none"> <li>• Readable data:</li> <li>• Vehicle Driven Distance</li> <li>• Total fuel consumption</li> <li>• Fuel level (Dashboard)</li> <li>• Engine speed (RPM)</li> <li>• Vehicle speed (wheel)</li> <li>• Warranty 24 months</li> </ul> <hr/> <p><b>Tehnička specifikacija – CAN čitač podataka:</b></p> <ul style="list-style-type: none"> <li>• Podaci koji se očitavaju:</li> <li>• Pređena kilometraža po podatku iz vozila</li> <li>• Ukupna potrošnja goriva</li> <li>• Fuel level (Dashboard) – Potrošnja goriva po podatku iz vozila</li> <li>• Merač broja obrtaja motora vozila</li> <li>• Brzina vozila</li> <li>• Garancija 24 meseci</li> </ul>	<p>19</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>	
<p>4</p>	<p><b>Technical specifications –Fuel level sensor:</b></p> <ul style="list-style-type: none"> <li>• Operating temperature - 40 to +80 °</li> <li>• Protection level minimum IP57</li> <li>• Supply voltage 10V-60V</li> <li>• External ports : RS 232, RS 485</li> <li>• Measurement inaccuracy +/- 1%</li> <li>• Warranty 24 months</li> </ul> <hr/> <p><b>Tehnička specifikacija – Sonda:</b></p> <ul style="list-style-type: none"> <li>• radna temperatura - 40 to +80 °</li> <li>• nivo zaštite minimum IP57</li> <li>• napajanje od 10V-60V</li> <li>• izlazni portovi : RS 232, RS 485</li> <li>• greška merenja +/- 1%</li> <li>• Garancija 24 meseci</li> </ul>	<p>31</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>	

**The new Returnable bidding forms and the revised Attachment I List of vehicles for installation of GPS devices, CAN reader and Fuel level sensor will be advertised**



# UNOPS

REPUBLIC OF SERBIA

*Please be advised that UNOPS reserves the right to amend the tender documents at any time.*

*Any amendments or clarifications will be posted under the concerned case on [www.europeanprogres.org](http://www.europeanprogres.org) and [www.sagradimodom.org](http://www.sagradimodom.org) and we kindly ask you to check the sites before submitting your proposal.*

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