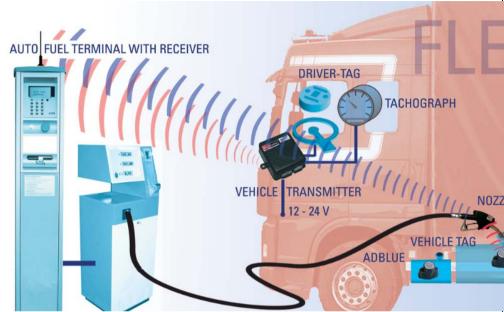
N	Question	Answer
1	Page 7: 5.6 Fifth wheelby visual and buzzer signals. When the king pin is properly locked a light will show up. In addition you want a buzzer alarm. Please explain how long the alarm should beep, 2 sec, 5 sec etc.	Description of monitoring of opening /closing of kingpin lock There are possible four combination of opening /closing the fifth wheel: a. There is no kingpin in the slot and the interlock is open. The LED light is OFF and the buzzer is silent, i.e. no information about it on the dashboard b. There is no kingpin in the slot and the interlock is CLOSED. The RED LED lamp is ON, buzzer is also ON until the change of status of kingpin and/or interlock c. The kingpin is located correctly in the slot and the interlock is open. The RED LED lamp is ON, buzzer is also ON until the change of status. d. The kingpin is located correctly in the slot and the interlock is CLOSED. The GREEN LED lamp is ON and the buzzer is OFF (silent).
2	Page 8: 5.10 Operator's cabin - hydraulic drive of cabin lifting Do you mean electrically tilting of the cabin instead of manual pumping by steelbar?	manually driven hydraulic lifting of the cabin
3	Page 10: 6.4.1 Switches -ignition -engine switch (Engine starter?) In our opinion you do need a key for the ignition. Then you can have a button for the engine start. Please explain if this is what you want. However, in order to understand this request, please explain the idea behind it.	We require key driven ignition switch.
4	Page 11: 7 Data Recording and Reporting Please provide more technical details how this should work resp. what kind of equipment should be installed.	Sending data with IMV number, current working hours and distance (millage) in kilometres, when tractor is refuelled, to the "PETROPOINT FLEET+" delivered by HECTRONIC and installed on existing fuel station. The vehicle must be equipped with individual Vehicle Tag (token) and Vehicle transmitter to transfer the amount of traveled kilometers and Hectronic MTH.



Picture of the system overview*)

Vehicle tag*)

Cable-free passive transponder for installation on the vehicle tank inlet in conjunction with the PetroPoint nozzle unit (ATEX approval). Vehicle tag

Vehicle transmitter metal housing*)

433MHz 12 / 24V - PetroPoint vehicle transmitter for the transfer of vehicle identification, driver identification, nozzle identification an kilometer reading. Transmission frequency 433 MHz

Range approx. 20 m

Operating voltage 9-16V DC or

18-32V DC

Power consumption max. 200 mA during

transmission Temperature range -25°C to +70°C Operating hours integrated *)Source: 'Petropoint. The Analyst.' by HECTRONIC; D-79848 Bonndorf 5 Page 16: A. Recording and Reporting (RR) Unit We do not have such a system at the terminal but the system should work as This is a very comprehensive request which actually described below. EAM system will be fed with data gathered from PLC's of equipment. Preferably needs to be discussed. Please let us know if you have such a system already the interface would base on web services, but any type of flat file or XML installed on your Terminal. If yes, please send us more detailed document as much universal as possible is also acceptable. information. Apart from feeding IBM Maximo, the Maintenance system there must be a Such systems have to be adapted not only for the possibility of live view of the equipment status. different vehicles but also with the control center. Interface XML | Flat File | Web Services

				GPS po all critic of few new all register be fur System front of alarms of data Preferal equipm Etherne Data re Cu da Cu da All en eq	R UNIT should be installed on each tractor. It is best on the second or few seconds (adjustated and atta from tractor PLC. RR sends all other seconds or few hours (fluently adjustable by larm was recorded, via Wi-Fi 802.11 b/g, and the transmitted to Engineering Asset May and the transmitted to Engineering Asset May and activate or deactivate some reasonably the wifi 802.11 b/g/n network would be nent to "control center". All other connection et. The existing network is based on Cisco experienced and send by the RR, as a minimum: arrent GPS position arrent working hours (current value which is should). I alarms from engine, transmission like lowing and in the transmission, low fuel level in puipment fixed on the tractor and able to ingital code and description.	able by terminal engineers) and er required data with frequency of the user) and each time after of info to the DCT computer imprint in data base) what will canagement and Maintenance and also an engineer seating in coffices must be able to cancel eadings as well adjust frequency the medium of connecting the as can be copper/fiber uipment. The displayed also on the end which is displayed on the oil pressure or low level in the anthe tank or other alarms from
6	DCT Requirement	Question – possibilities	Acceptation – Ye	•	Turning radius (maximum): 5th wheel capacity: 5th wheel height from the ground level:	8m minimum 35 Ton 1200mm with tolerance
	Turning radius: maximum 10m	1 option - Turning circle 13.5 meter per 3300mm 2 option - 13.0		-	+/-10mm	1235iiiii With Colorante

		motor nor			
		meter per 3100mm			
	Eth whool composition				_
	5th wheel capacity :	34 ton			
	minimum 35 Ton				_
	Lowest 5th wheel	1145mm @ 34 +			
	height from the	36 Tons			
	ground level: 929				
	mm				
7	The axle must be	Rear axle load			The axle must be able to withstand the maximum load of the fifth wheel at
	able to withstand	38Tons at 20 km/h			20 km/h of no less than 32 tons.
	the maximum load				
	of the fifth wheel at				
	30 km/h of no less				
	than 35 tons.				
8	The steering he	eight/length	Т	his is a	n option now.
	wheel must ac	djustable steering			
	have a knob and co	olumn is not			
	be adjustable in a	vailable			
	both in / out				
	and up / down				
	direction.				
9	There must be two	One form seat cover.	Υ	es, mu	st be two separate covers for the seat and seatback as well as headrest.
	separate covers for	The seats are already			
	the seat and	upholstered by the			
	seatback as well as	seat manufacturer			
	headrest.				
	turn indicators	automatically turn	V	Ve don	't require it anymore.
	must automatically	off lights indicator is			
	switch OFF during	not possible since			
	rotation of the	there is not			
	steering wheel in	automatic centre			

	the opposite direction door security lock opened with ignition key, described further	position of steering wheel as in road cars. Cabin door is opened with a secondary key. Not with the ignition key.		We con	nfirm it.
10	LED turn indicators, r		ternal warning	Must b	e LED
11	The tractor should be equipped with diagnostic tools	software required for all diagnostic work can be done by the user itself.		We do	n't understand the question
12	4.0 Does the inclination of 15% occur on the terminal? For these kind or inclinations we recommend 4x4 drive for better traction.			We don't need 4x4 drive.	
13	5.10 Does the indicator light for signaling the fastening of the 2 point seat belt needs to be installed inside the cabin or outside?			Outside, on the roof of the cabin only.	
14	5.10 Please specify what IT equipment will needs to be installed and what power supply they need.			There will be installed a mobile computer – Honeywell Thor VM1 – on a standard RAM mounting (part number VM1008BRKTKIT). It needs 12V 12A DC.	
15	5.10 There is room for a communication radio underneath the cabin roof. Does this comply?				It's ok. There should be a power supply of 12V 10A DC available in that place.

16	5.10 In the cabin roof there are mounting holes present for the installation of speakers. (close to the comm radio slot)	Yes – we accept.
17	5.10 The requested flat steel shelve 20x10. Where will this be used for?	It will be used for installing the mobile computer mentioned above. It should be close to the driver's dashboard, as high as the steering wheel.
18	6.1 Please specify "ignition key fully compatible with Type 014603" we will provide their own standard ignition keys.	014603 was firstly delivered to DCT and is widely used : http://www.kramp.com/shop-nl/en/59062/530681/82837/lgnition+key
19	7.0 Please provide information on the Hectronic system	Look at answer to point No.4
20	11.0 What is the total amount of mechanics and drivers that will need training	Must be 5 courses with 15-20 in each course
21	II.00 Mentioned parts in this Spare Parts List must be inside offer? Alternatively we can make you a recommended spare parts list for the complete fleet of 33 units.	List of spare parts is included in the specifications and can not be changed.
22	Options for IMV – please for Your decision Foldable co driver seat Actia Fleet	we don't understand your question
23	5.10 Operator's cabin Request: Turn indicators must automatically switch OFF during	We don't require it anymore.

	rotation of the steering wheel in the opposite direction Answer: Unfortunately this is from a technical point of view not possible. Reason: As we are using an orbitrol for steering it is technically not possible to fulfil this point. When using an orbitrol you can keep on steering in both directions without going on block. So there is no possibility to set a "stopper" in order for the indicator to switch back automatically as we have not setting	
24	point. 8 Diagnostic Tools Request: The software allows to: Calibration Answer: Calibration of the engine can only be done by the engine manufacturer.	We require only possibility of typical maintenance calibration or adjustment.
25	We found out that you request under the point Engine (Technical Specification Page 5) a power of 165-235 kW. Our latest engine with AdBlue according to exhaust emission TIER IV has a capacity of 160 kW. The requested torque can be achieved without problem. Please note that the modern engines nowadays have less power and less displacement but still reach the same or even higher torque values. In addition they also need less fuel. Therefore please change the specification as follows: Power at 2000-2400 rpm: 160 – 235 kW Displacement: 5,0 to 7,9 I	Please follow our specification. We do not accept your proposal
26	Refering to your updated Technical Specification please let us know the following:	"The vehicle must be equipped with individual Vehicle Tag (token) and Vehicle transmitter to transfer the amount of traveled kilometers and Hectronic MTH." - quote from the specifications.

	7 Data Recording and Reporting The vehicle must be equipped with individual Vehicle Tag (token) and Vehicle transmitter to transfer the amount of traveled kilometers and Hectronic MTH. Please let us know if -the Vehicle Tag (token) and Vehicle transmitter will be provided and installed by DCT at site or -if we need to deliver and install it with the vehicle, i. e. it is part of the vehicle delivery?	The supplier must mount / equip the vehicle with Vehicle Tag (token) and Vehicle transmitter during production at the factory and provide a vehicle equipped with described elements.
27	4. General requirements: Lowest 5th wheel height from the ground level: 929 mm 5 th wheel height 929 mm is lower than tires. Is it possible to change lowest height from ground level to 1125 mm otherwise trailer will hit the tires every time when trailer is connected?	Please follow our specification 5th wheel height from the ground level: 1200mm with tolerance +/-10mm. Chapter 4 on page 5.
28	Engine: Power at 2000 – 2400 rpm: 165 – 235 kW New Stage 4 engines have less power and displacement than earlier engines but still have same and enough torque to handle loads. Could you change engine specification to Power at 2000 – 2400 rpm: 160 – 235 kW and Displacement 5.0 – 7.9 litres?	Please follow our specification. We do not accept your proposal
29	5.10. Operators cab Electrically heated rear window. We have sliding rear door and one smaller rear window where it is not technically reasonable to make electrically heated window, it is not available. Cabin door fixed on hinges.	Please follow our specification Electrically heated rear window required Yes – we accept this solution

	Side door is fixed with hinges. Additional rear door is sliding door. Could we have it sliding?	
31	7. Data recording and Reporting Is HECTRONIC system installed to machines, part of the delivery scope?	Yes, the Hectronic system is the scope of delivery, to be installed on the tractors.
32	10. Technical Documentation Workshop manual Assembly drawings and main components drawings are not available. Maintenance manual is including preventive maintenance schedule and instructions for that. Is it ok?	Documentation required by us: - Assembly drawings, - Main components drawings. Our documentation required in the specification discharged in Chapter 10 on page 15.