

Measurement Units, Standards, and Services Department General Requirements for Taximeter along with recommendation of OIML R21 Annex 02 – Tests and Checks	Date of Issue : 2014.12.03 Rev No: 0	Doc No: PA-TP- 01 1of 5	MUSSO
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Test Report No:

Applicant:

Taximeter Model:

Date:

	Requirement	Details	Comment	Status
01	Event counter	01.Shall have 2 event counters for		
		01. Calibration of K		
		02. Fare change		
02	Calibration seal	01.Jumper or switch secured by a stamping		
		method or secure sticker and calibration cannot		
		be done without break the seal		
03	Sealing	01.Seal shall be included vehicle No, Serial No of		
		the taximeter, pulse/km value (K), verification		
		date and Inspector identification and shall cover		
		the calibration access and in the form of a non-re-		
		passable sticker or metal/plastic plate with sealing		
		method.		
		Verification sticker format		
		Logo		
		Vehicle No:		
		Taximeter serial No:		
		Pulse/Km (K):		
		Verification date:		
		Inspector Id:		
		Signature:		
04	Real time	01.RTC with battery backup shall be included.		
	clock(RTC)	02.If the power loss has occurred to the clock,		
		taximeter shall not work further without		
		recalibration and verification		
05	Fare change	01.Shall have a separate sealing method to		
		change fare.		
		02.Shall secure by a un re-paste sticker		
		mentioning fare change date, authority seal or		
		signature of representative of the authority		
06	Taxi driver	01.Shall have a password or to method to enter		
	identification	driver identification		
		02.login and logout button or method for driver		
		shall be included for multi user situations		

Approved by : Director



07	Minimum information in the bill for the hire	rmation in to the passenger in following format bill for the Bill No:							
		Starting	Value ###	Unit LKR	Rate LKR ###	Fare LKR ###	?		
		Distance Time Total	#### ###	km min	##	###			
		Driver iden Driver nam Passenger i	e:	Sigr	nature nature				
08	Display type and Minimum display values number of digits and sizes	/ light or display with similar characteristics and							
		Value	Digit height min (cm)	No of digits min	Unit		Resolution		
		Total fare Distance	10 5	5	LKR Km		1		
		Waiting time	4	4	hh:r	nm	1 min blink dot or : for Seconds		
09	Operation voltage	01.Shall be operated from 9V to 16V without any damage to the taximeter. Below the Lower critical voltage taximeter could not be operated and shall not display any value.							
10	Operation	01.Start button to start the hire, stop button to stop the hire and waiting time added between start and stop if the speed is less than 5km/h called transition speed.							
11	Sign board	Shall have a hired or va	•	it to sig	n boar	d dis	olaying		



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12	Power disconnection switch	 01.No power disconnection switch shall be included, 02.but may have a display off or energy saving switch or method to only turn off the display and when turn on again shall indicate the displayed values before switching off the display. 03.Power wires shall be secured by 	
12	Distance / aula -	disconnections.	
13	Distance/pulse	Distance/ pulse sensor wires shall be secured for	
	sensor	accidental disconnections with proper sealing	
	connections	method	
14	Totalizes	01.No of hires	
		02.Total distance travel with hires	
		03.Total distance travel without hires	
		04.Total waiting time	
		05.Total fare	
15	Fare change	01.Time date activation of new fare rate	
	method	02.Remort method-Network, GPRS, Internet, ,	
		USB, RS232, Bluetooth etc	
		03.Manual method- by the front panel buttons	
		04.By secure coding method using remotely or	
		manual entering using front panel keys.	
		After fare change secure sealing shall be applied	
		by the authority responsible for fare change.	



Services Department General Requirements for Taximeter	Doc No: PA-TP- 01 4of 5	

Tests

Distance accuracy (Limit= 1.5%) for 1km

	Ref value (m)	Test value (km)	Error %	Pass/fail
01				
02				
03				
04				
05				
Average				
Stdev				

Time accuracy (Limit 1 second/hour)

	Ref value mm:SS	Test value hh:mm	Difference mm:SS	Pass/fail
01				

Fare calculation accuracy (Limit 1 LKR)

Day Time 6:00 to 20:59				
FARE RS/km	STARTING FARE RS	WAITING TIME FARE RS/min		
20	30	1		
25	30	1		
30	40	1		
35	40	1		
40	50	2		
45	60	2		
50	60	2		
55	70	2		
60	80	3		
65	80	3		
70	90	3		
75	90	3		
80	100	3		
85	110	4		
90	110	4		
95	120	4		
100	130	4		



Measurement Units, Standards, and
Services Department
General Requirements for Taximeter
along with recommendation of OIML R21
Annex 02 – Tests and ChecksIImage: Standards and Stand

d	Date of Issue	Doc No:	
	:	PA-TP-	
	2014.12.03	01	
21	Rev No: 0	5of 5	MUSSO

Night Time 21:00 to 5:59					
FARE RS/km	STARTING FARE RS	WAITING TIME FARE RS/Min			
30	40	1			
30	40	1			
40	50	2			
40	50	2			
50	60	2			
60	80	3			
60	80	3			
70	90	3			
80	100	3			
80	100	3			
90	110	4			
90	110	4			
100	130	4			
110	140	5			
110	140	5			
120	150	5			
130	160	5			

For other required tests and metrological requirements refer OIML R21

Inspected By:Checked by:Signature:Signature:Name:Name:Date:Date:

Reviewed by : Assistant Director

Approved by : Director