



Wear Check List Raption Series:

Raption 50, Raption 51, Raption 52, Raption 100

Date:

Charge Point Information			
Model:		S/N:	
Alias of the unit:		Start Up Date:	
Installation Date:		Field technician:	
Wearcheck period:		Ticket N°:	
Client/Operator:			
Address:			

Check in the file "Mandatory Personal Protective Equipment to avoid risk of accidental electrical injury" to make sure the commissioning staff has all the protective material and equipment.

Charge Point Details			
N°	Description	Action	Status
1	Unit Updated Previously	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
2	Unit Repaired Previously	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
3	Limit Activated	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
4	Power Load Management	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
5	3G Communications Activated	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
6	OCPP activated	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
Comments			

External General inspection			
N°	Description	Action	Status
7	General Visual Inspection	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
8	Unit Under Cover	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
9	Minimum Front distance of the Installation (600mm)	OM	<input type="checkbox"/> OK <input type="checkbox"/> NOK
10	Minimum Rear distance of the Installation (50mm)	OM	<input type="checkbox"/> OK <input type="checkbox"/> NOK
11	Minimum Side distance of the Installation (800mm)	OM	<input type="checkbox"/> OK <input type="checkbox"/> NOK
Comments			

Body and fastening			
Nº	Description	Action	Status
12	Exterior Paint	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
13	Paint in areas of friction	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
14	Bolt Fastening verification	CST	<input type="checkbox"/> OK <input type="checkbox"/> NOK
15	Accuracy of the level calibration	CST	<input type="checkbox"/> OK <input type="checkbox"/> NOK
16	Roof Cover Verification	CST	<input type="checkbox"/> OK <input type="checkbox"/> NOK
17	Blowing and hoovering of the inside	CST	<input type="checkbox"/> OK <input type="checkbox"/> NOK
18	Verification of the isolation rubbers	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
19	Ventilation Holes	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
20	Doors alignment	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
Comments			

External components			
Nº	Description	Action	Status
21	CCS Holder housing (External and Internal Inspection)	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
22	CCS Cable Gland	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
23	CCS Connector (External and Internal Inspection)	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
24	CHAdEMO Holder housing (External and Internal Inspection)	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
25	CHAdEMO Cable Gland	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
26	CHAdEMO Connector (External and Internal Inspection)	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
27	Type 2 Socket Housing (External inspection)	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
28	Emergency Button	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
29	Screen	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
30	Lockable Handle	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
31	LED Beacons	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
Comments			

Internal Components Verification			
Nº	Description	Action	Status
32	Lockable Handle Internal System (Main Screws)	CST	<input type="checkbox"/> OK <input type="checkbox"/> NOK
33	CCS Holder Internal Lock System (Coil and Cilinder System)	OT	<input type="checkbox"/> OK <input type="checkbox"/> NOK
34	Type 2 Socket Housing (Internal Inspection)	CST	<input type="checkbox"/> OK <input type="checkbox"/> NOK
35	Emergency Button	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
36	Screen Connectors	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
37	Rear and Sides Filters	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
38	LED Beacons	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
39	Check Condesation on Components	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
40	Check Water Inlets inside	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
Comments			

Electrical Components Installation Verification			
Nº	Description	Action	Status
41	External wire verification according to the product specifications	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
42	Grounding Resistance (Measure with Circutor TL5)	CST	<input type="checkbox"/> OK <input type="checkbox"/> NOK
43		Neutral	<input type="checkbox"/> OK <input type="checkbox"/> NOK
	Input Voltage check Phase 1	VM	<input type="checkbox"/> OK <input type="checkbox"/> NOK
	Input Voltage check Phase 2	VM	<input type="checkbox"/> OK <input type="checkbox"/> NOK
	Input Voltage check Phase 3	VM	<input type="checkbox"/> OK <input type="checkbox"/> NOK
	Input Voltage check Neutral-Ground	VM	<input type="checkbox"/> OK <input type="checkbox"/> NOK
Comments			

Internal electrical Components Verification			
Nº	Description	Action	Status
44	Verification of the internal wires and tightening of the terminals	CST	<input type="checkbox"/> OK <input type="checkbox"/> NOK
45	Isolation Test Bender	OT	<input type="checkbox"/> OK <input type="checkbox"/> NOK
46	Isolation Test Cirprotect (*1)	OT	<input type="checkbox"/> OK <input type="checkbox"/> NOK
47	Secondary MCB's and RCD's protection test	OT	<input type="checkbox"/> OK <input type="checkbox"/> NOK
48	Verification of the output voltage in the MCB's	VM	<input type="checkbox"/> OK <input type="checkbox"/> NOK
49	Power Modules Connectors	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
50	Power Modules Internal Status	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
51	Verification of the input and output voltage of Power Modules	VM	<input type="checkbox"/> OK <input type="checkbox"/> NOK
52	Transducers Connectors (*1)	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
53	Transducers Readings (*1)	VM	<input type="checkbox"/> OK <input type="checkbox"/> NOK
54	Service Schucko	VM	<input type="checkbox"/> OK <input type="checkbox"/> NOK
55	Power Supply Devices 12Vdc / 24Vdc	VM	<input type="checkbox"/> OK <input type="checkbox"/> NOK
56	Multiconnectors of 12Vdc / 24Vdc / 230V / Ground	VM	<input type="checkbox"/> OK <input type="checkbox"/> NOK
57	Boards Connectors	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
58	Power Modules Fans	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
59	Mode 4 Board Status	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
60	LM4 Status (*1)	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
61	Ventilation Fans System of Sides	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
62	Heater	OT	<input type="checkbox"/> OK <input type="checkbox"/> NOK
63	Tamper System	OT	<input type="checkbox"/> OK <input type="checkbox"/> NOK
64	Emergency Stop Button Actuation	OT	<input type="checkbox"/> OK <input type="checkbox"/> NOK
65	Contactors Status	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
66	Relays Status	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
67	Internal connectors of CCS and CHAdeMO Cables	CST	<input type="checkbox"/> OK <input type="checkbox"/> NOK
68	Super Capacitor Board (3,3F) (*2)	CST	<input type="checkbox"/> OK <input type="checkbox"/> NOK
69	Electrolytic capacitor buffer module (*3)	CST	<input type="checkbox"/> OK <input type="checkbox"/> NOK
70	Fuse terminals Status (*3)	VI	<input type="checkbox"/> OK <input type="checkbox"/> NOK
Comments			

Configuration and Adjustments					
Nº	Description	Action	Status		
71	Configuration of the network analyzers	VI	<input type="checkbox"/> OK	<input type="checkbox"/> NOK	
72	Adjustment of the isolation detectors (Bender / Cirprotect (*1))	VI	<input type="checkbox"/> OK	<input type="checkbox"/> NOK	
73	Adjustment of the sensitivity of the RCD	VI	<input type="checkbox"/> OK	<input type="checkbox"/> NOK	
74	Configuration of Thermostats	VI	<input type="checkbox"/> OK	<input type="checkbox"/> NOK	
75	Setup of the date/time and language	LAP	<input type="checkbox"/> OK	<input type="checkbox"/> NOK	
Type 2			DC		
76	Adjustment of the output power according to the maximum power supported by the supply connection (Indicate value)	LAP			
77	Configuration of the local network and 3G communications	LAP	<input type="checkbox"/> OK	<input type="checkbox"/> NOK	
78	Verification of the firmware and application	LAP	<input type="checkbox"/> OK	<input type="checkbox"/> NOK	
79	Verification of the communication between the internal devices	LAP	<input type="checkbox"/> OK	<input type="checkbox"/> NOK	
80	Setup of the OCPP and basic tests of functionality	Test			
		Comm. BO	LAP	<input type="checkbox"/> OK	<input type="checkbox"/> NOK
		Start/Stop RFID	LAP	<input type="checkbox"/> OK	<input type="checkbox"/> NOK
		Start/Stop remote	LAP	<input type="checkbox"/> OK	<input type="checkbox"/> NOK
		White list	LAP	<input type="checkbox"/> OK	<input type="checkbox"/> NOK
Comments					
Functionality Test					
Nº	Description	Action	Status		
			AC		DC
81	Stand by	OT	<input type="checkbox"/> OK	<input type="checkbox"/> NOK	<input type="checkbox"/> OK <input type="checkbox"/> NOK
82	Charging	OT	<input type="checkbox"/> OK	<input type="checkbox"/> NOK	<input type="checkbox"/> OK <input type="checkbox"/> NOK
83	Emergency Stop	OT	<input type="checkbox"/> OK	<input type="checkbox"/> NOK	<input type="checkbox"/> OK <input type="checkbox"/> NOK
84	Earth leakage verification	OT	<input type="checkbox"/> OK	<input type="checkbox"/> NOK	<input type="checkbox"/> OK <input type="checkbox"/> NOK
85	Complete Charge (10' AC, 30' DC)	OT	<input type="checkbox"/> OK	<input type="checkbox"/> NOK	<input type="checkbox"/> OK <input type="checkbox"/> NOK
86	Heater activation	OT			<input type="checkbox"/> OK <input type="checkbox"/> NOK
87	Ventilation activation	VI			<input type="checkbox"/> OK <input type="checkbox"/> NOK
88	Verification of the charge values	VI			<input type="checkbox"/> OK <input type="checkbox"/> NOK
89	Screen information	VI			<input type="checkbox"/> OK <input type="checkbox"/> NOK
90	Activation / Deactivation of Power Modules	OT			<input type="checkbox"/> OK <input type="checkbox"/> NOK
Comments					

Commissioning Acceptance - Charge Point		
<i>Client's Comments</i>		
Sign and Acceptance		
Location: <input style="width: 90%;" type="text"/>		
Circontrol Staff		Customer / Operator of CP

Actions:

Visual Inspection	VI
Voltage Measurement	VM
Operation Test	OT
Other measurement	OM
Check with specific tool	CST
Laptop	LAP

(*1) Raption 50 GEN1
 (*2) Raption 50 GEN2
 (*3) Raption 51, 52 and 100