NATIONAL APPRENTICE AND INDUSTRIAL TRAINING AUTHORITY

Transformation of Apprenticeship to NVQ - Establishment Assesment Guide

Requirement of Tools , Equipment and others for

AUTOMOBILE ELECTRICIAN / AUTOMOBILE ELECTRICAL TECHNICIAN

Competency Standards Code : G50S002.4

(Selected Package for Apprenticeship Mode)

Sourse : National Competency Standard

Name , Address of Estblishment & Contact Number

Date of Assessment : **District:**

NO	Tools,Equipments & Others	Requirment for the Units													Availability at Establishment (Yes/No)	Remarks
		1	2	3	4	5	6	7	8	9	10	11	12	13		
1	Air conditioner thermometer										✓					
2	Anemometer										✓					
3	Automotive oscilloscope		✓	✓	✓											
4	Battery acid	✓														
5	Battery charger	✓	✓													
6	Battery filler	✓														
7	Battery load tester		✓													
8	Battery scanner												✓	✓		
9	Battery terminal puller	✓	✓			✓										
10	Bearing puller		✓	✓	✓	✓										
11	Bench vice		✓	✓	✓	✓										
12	Booster cables	✓	✓	✓	✓											
13	Brake system cleaner												✓	✓		
14	Bulbs									✓	✓					
15	Capacitor tester		✓	✓	✓											

16	Cleaning agent	✓	✓	✓	✓	✓				✓	✓	✓				
17	Cleaning agents and lubricants							✓	✓							
18	Cleaning equipment	✓	✓	✓	✓	✓	✓	✓				✓				
19	Cleaning equipment including a vacuum cleaner										✓					
20	Cleaning materials and liquids												✓	✓		
21	Cleaning solvent						✓									
22	Compressed air supply	✓	✓	✓	✓	✓	✓	✓			✓		✓	✓		
23	Computer lead box / diagnosis system / interface					✓					✓	✓				
24	Contact cleaners						✓		✓	✓	✓					
25	Contact cleaning liquid											✓				
26	Coolant												✓	✓		
27	Crimping tool		✓	✓	✓	✓										
28	Decibel meter									✓						
29	Diagnose scanners				✓											
30	Dial gauge with magnetic base		✓	✓	✓											
31	Digital and analogue Multi-meter							✓								
32	Digital battery health tester												✓	✓		
33	Digital Multi-meter				✓	✓			✓	✓	✓	✓				
34	Digital thermometer												✓	✓		
35	Digital/Analogue Multi-meter						✓									
36	Distilled Water	✓														
37	Drive belt tensioner		✓													
38	Dropping resistors											✓				
39	Dwell tester / tachometer			✓	✓											
40	Electronic battery tester	✓														
41	Electronic low voltage battery charger												✓	✓		
42	Engine scan tools					✓										
43	Engine scope analyzer					✓										
44	Exhaust gas analyzer /diesel smoke tester					✓										
45	Feeler gauge (nonmagnetic type)		✓	✓	✓	✓										
46	Fender and seat cover		✓													

47	First aid box	✓	✓	✓	✓	✓	✓									
48	Fuel pressure gauge					✓										
49	Fuses							✓	✓							
50	Gasoline injector cleaning agents					✓										
51	Gasoline injector tester					✓										
52	Gear box lifting equipment						✓									
53	Gear box mounting stand						✓									
54	General automobile electrician's tools	✓														
55	General electrician's hand tools						✓	✓								
56	General electrician's tools								✓	✓	✓	✓	✓	✓		
57	General mechanic's tools		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
58	Glass Suction lifters/Vacuum lifters							✓								
59	Growler / Armature tester		✓													
60	Hand vacuum pump			✓	✓											
61	Hazardous indicator barriers and sign boards												✓	✓		
62	Head lamp aligning instrument									✓						
63	High insulated tools						✓									
64	High pressure water gun										✓					
65	High rate volt amp meter					✓										
66	High voltage battery charger												✓	✓		
67	High voltage digital Multi meter												✓	✓		
68	High voltage insulated tools												✓	✓		
69	Holders									✓	✓					
70	Hydraulic press		✓	✓	✓	✓										
71	Hydraulic/Pneumatic pressure gauges						✓									
72	Hydrometer	✓	✓													
73	Insulation tape						✓	✓	✓	✓	✓	✓				
74	Insulation tester		✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓		
75	Jump starter unit	✓														
76	Lamp tester									✓	✓					
77	Lamp tester / auto tester											✓				
78	Lamps / bulbs							✓								

79	LED lamp tester								✓							
80	Lifting equipment						✓									
81	Light Emitting Diode (LED) lamp						✓	✓								
82	Linear measuring tools		✓	✓	✓				✓			✓				
83	Load tester	✓														
84	Lubricant						✓									
85	Lux meter									✓						
86	manufacturer's recommendations		✓													
87	Measuring tools					✓		✓								
88	Micrometer					✓										
89	Milli ohm meter												✓	✓		
90	Multi-meter	✓	✓	✓												
91	Navigation map CD /SD card											✓				
92	Necessary spare parts		✓	✓	✓											
93	Oscilloscope						✓	✓		✓			✓	✓		
94	Personal Protective Equipment	✓	✓	✓	✓	✓	✓	✓	✓		✓		✓			
95	Personal Protective Equipment including high voltage protective gloves									✓			✓	✓		
96	Plug round gauge			✓	✓											
97	Power tools											✓				
98	Protection covers											✓				
99	Pullers (In/Out)						✓									
100	Recommended high voltage tool												✓	✓		
101	Refractometer		✓													
102	Relays						✓	✓	✓							
103	Relevant sensors					✓										
104	Safety equipment											✓				
105	Scan tool						✓	✓		✓		✓				
106	Scissor jack for battery lifting													✓		
107	Seat protector cover	✓	✓	✓	✓	✓	✓	✓	✓							
108	Sensor tester simulators						✓									
109	Sensors						✓	✓	✓							

110	Sleeving									✓	✓					
111	Solder lead and fluxes											✓				
112	Soldering iron		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
113	Soldering lead & fluxes		✓	✓	✓	✓	✓	✓	✓	✓	✓					
114	Spark Plug tester				✓											
115	Special service tools							✓	✓							
116	Special service tools according to manufacturer's recommendations		✓	✓	✓	✓	✓				✓	✓	✓	✓		
117	Special tools recommended for remove and reinstall upholstery							✓								
118	Spring balance		✓	✓	✓											
119	Steering wheel protector covers								✓							
120	Steering wheel puller								✓							
121	Storage racks												✓	✓		
122	Storage trays												✓	✓		
123	System Scanner								✓							
124	Test bench (Distributor)			✓	✓											
125	Test bench (Starter motor and alternator)		✓													
126	Test lamp	✓	✓	✓	✓	✓										
127	Thermometer		✓													
128	Timing light (Stroboscope)			✓	✓											
129	Torque wrench		✓	✓	✓	✓	✓	✓					✓	✓		
130	Transaxle lubricant												✓	✓		
131	Ultrasonic injector cleaning equipment					✓										
132	Upholstery clips								✓							
133	Upholstery removing tools								✓							
134	Vacuum cleaner								✓							
135	Vacuum gauge			✓	✓	✓										
136	Variable DC power supply unit		✓													
137	Vaseline/non-ironic grease	✓														
138	V-block		✓	✓	✓											
139	Vehicle lifting equipment/Ramp, vehicle stands and blocks		✓	✓	✓	✓							✓	✓		

140	Vehicle protection materials					✓		✓		✓	✓					
141	Vehicle protective covers	✓		✓	✓											
142	Vehicle protective equipment						✓									
143	Vehicle scanner												✓	✓		
144	Vernier caliper					✓										
145	Water sand papers		✓	✓	✓											
146	White board with stand for focusing head lights									✓						
147	Wi-Fi connection											✓				
148	Wire clips and terminals	✓	✓	✓	✓		✓	✓	✓	✓	✓					
149	Wire cutter		✓	✓	✓	✓										
150	Wires		✓	✓	✓		✓	✓	✓	✓	✓					
151	Wires and clips											✓				

	Selected Qualification (Package)	Units

forwarded by:	***Recommended by:***
Name of the Officer : ……	*Name of the Officer : ……*
Designation : ……	*Designation : ……*
Signature : ……..	*Signature : ……..*
Date : ……	*Date : ……*
Official Stamp : ……..	*Official Stamp : ……..*

Certified by:

Name of the Officer : ……

Designation : ……

Signature : ……..

Official Stamp : ……..

Date : ……