

# Powerline Technician Harmonized Level 1

## STANDARDIZED LEVEL EXAM (SLE) BREAKDOWN

The following table shows the number of questions per General Area of Competency (GAC) and Competency on the *Powerline Technician Harmonized Level 1 SLE*.

**Number of questions on each exam: 100**

Level 1 GAC/Competency	#
<b>A. SAFETY AND SAFE WORK PRACTICES</b>	<b>15</b>
A1. Apply safety regulations	3
A2. Use trade specific personal protective equipment (PPE)	2
A3. Apply limits of approach	2
A4. Apply lock-out and tag-out procedures	1
A5. Apply grounding and equi-potential bonding principles	5
A6. Perform rescue	2
<b>B. CLIMBING</b>	<b>11</b>
B1. Describe care and use of climbing equipment	4
B2. Climb structures	2
B3. Use elevated platforms and ladders	2
B4. Test for pole (structure) stability	3
<b>C. POLICIES AND REGULATIONS</b>	<b>4</b>
C1. Identify environmental hazards	2
C2. Apply industry safety regulations	2
<b>D. TOOLS AND INSTRUMENTS</b>	<b>9</b>
D1. Use hand tools	2
D2. Use power tools	2
D3. Use live line tools	2
D4. Use test instruments	3
<b>E. ELECTRICAL THEORY</b>	<b>14</b>
E1. Apply electrical fundamentals	5
E3. Explain transformation and install transformers	7

Level 1 GAC/Competency		#
E4. Install self-contained metering		2
<b>F. EQUIPMENT</b>		<b>8</b>
F1. Identify mobile line equipment		3
F2. Use hydraulically-equipped vehicles		5
<b>G. RIGGING</b>		<b>13</b>
G1. Explain rigging, hoisting and lifting equipment		10
G2. Use lifting, rigging and hoisting equipment		3
<b>H. OVERHEAD DISTRIBUTION (OD)</b>		<b>15</b>
H1. Describe overhead distribution materials		4
H2. Describe overhead distribution systems		3
H3. Construct distribution lines		4
H4. Demonstrate safe work practices for live line work		2
H5. Maintain single-phase distribution lines		2
<b>I. UNDERGROUND DISTRIBUTION (UD)</b>		<b>6</b>
I1. Use underground (UD) equipment and materials		6
<b>K. COMMUNICATION</b>		<b>5</b>
K1. Plan tailboard meetings		2
K2.	Communicate using hand signals	1
K3.	Communicate using electronic devices and systems	1
K5.	Apply communication techniques	1
<b>Total:</b>		<b>100</b>