

# Discovery Method Evaluation

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# Proposals, Common Mode

	Straw Poll(Chicago Rules)		
	Continue	No	Abs
• Resistor Detection (Lucent)	39	2	17
• Diode/Capacitor Detection (Nortel)	42	0	18
• Big Capacitor Detection (Alcatel)	18	15	27
• Serial Data Detection (CMS)	7	30	23
• Big Capacitor Detection (PowerDsine)	24	0	34

# Proposals, Common Mode

	Straw Poll (Pick One)
	Continue
• Resistor Detection (Lucent)	19
• Diode/Capacitor Detection (Nortel)	23
• Big Capacitor Detection (Alcatel)	3
• Serial Data Detection (CMS)	0
• Big Capacitor Detection (PowerDsine)	4

# Criteria for Evaluation

- **Economic and Technical Feasibility**

  - System Costs**

    - Components(BOM/Block Diagram/Schematic)**

    - Power Sourcing Equipment**

    - DTE**

    - Complexity(Fully Manageable)**

- **Intellectual Property Concerns**

- **Robustness/Desirability of Solution**

# Criteria for Evaluation

## Testing

**Hazard Matrix**

**Test Fixture Schematic**

**Cables**

**Cat 5, Cat 5e, Cat 3**

**EMI, ESD Immunity**

# Criteria for Evaluation

- **Bob Leonowich Matrix**

**Inrush Limiting**

**Micro Controller**

**Imin/Imax Limiting**

**Opto-Isolation (Managed/Unmanaged)**

**Component Count**

**Transformer**

**Relay**