

So...Where Are We On The Graph???

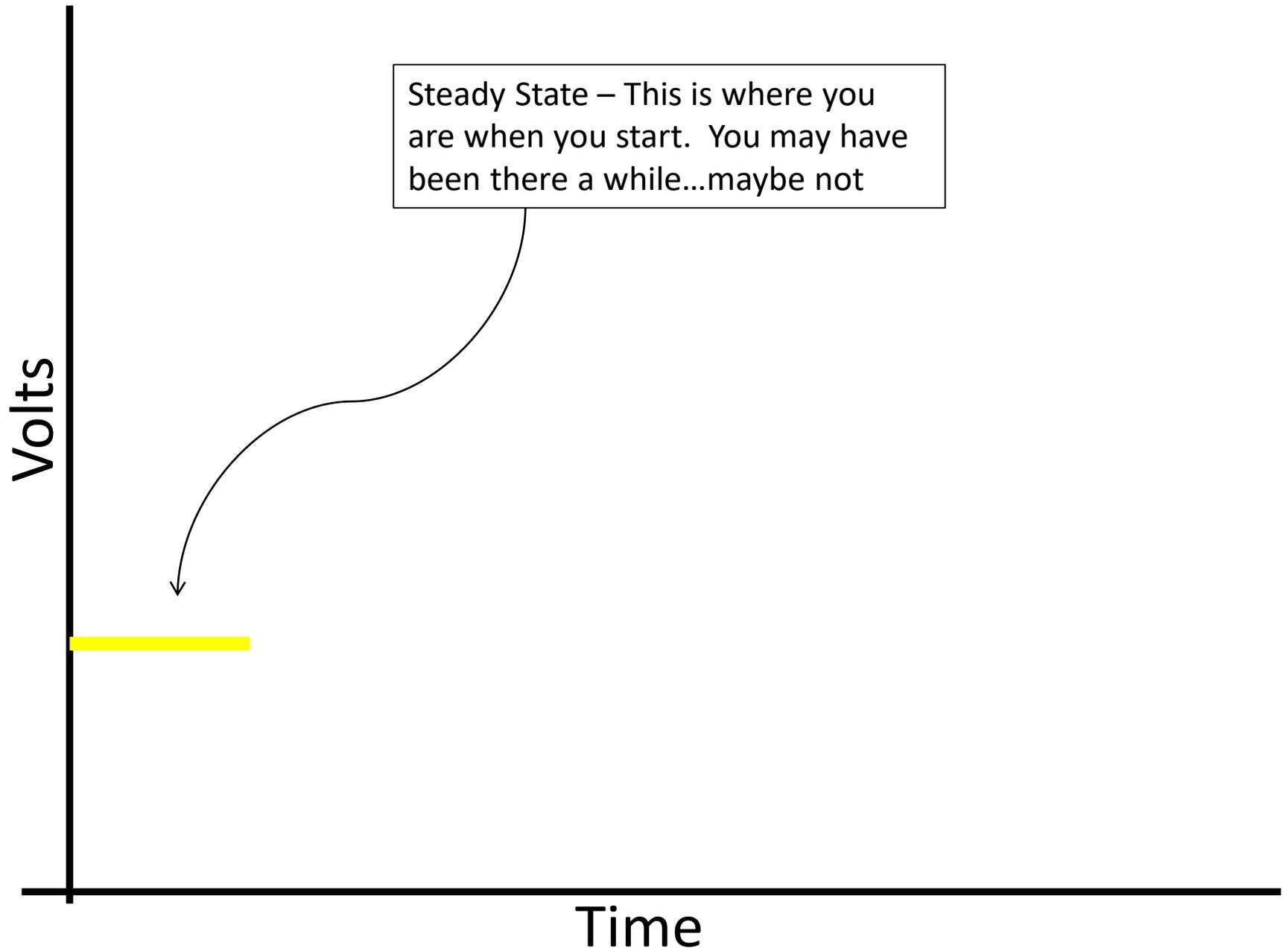
Michael J Placzek, P.E.

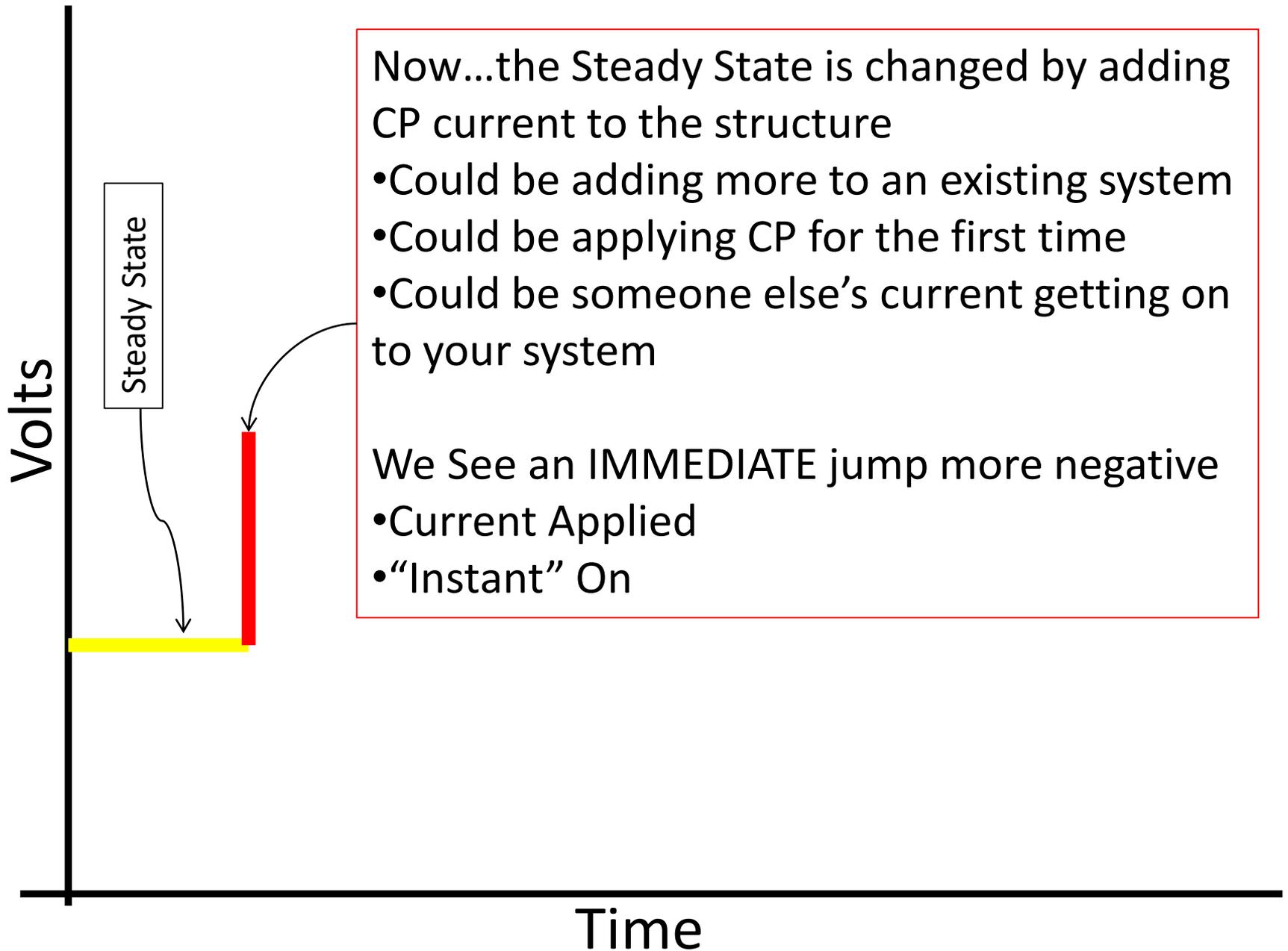
Senior Engineer

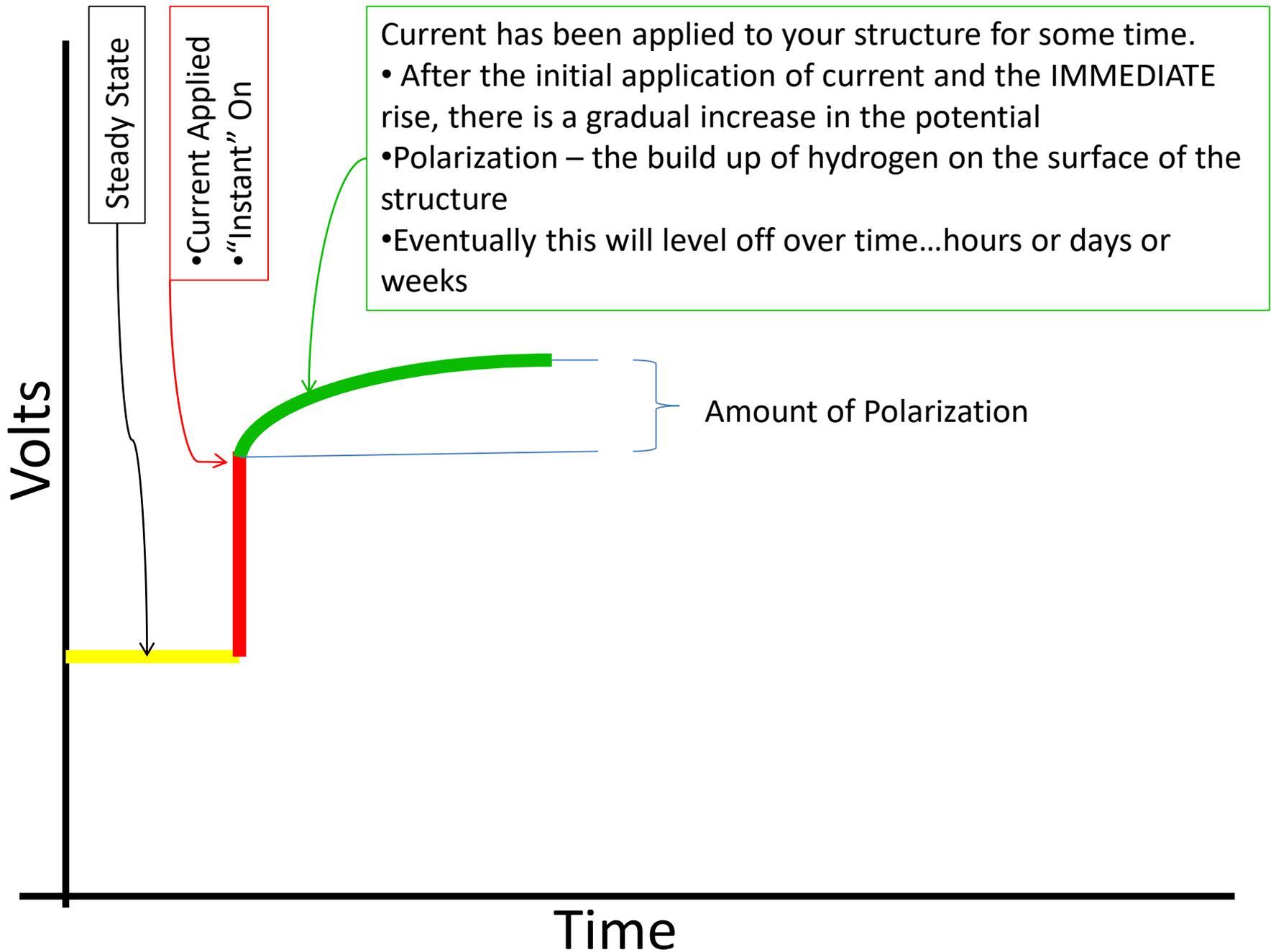
Ark Engineering and Services

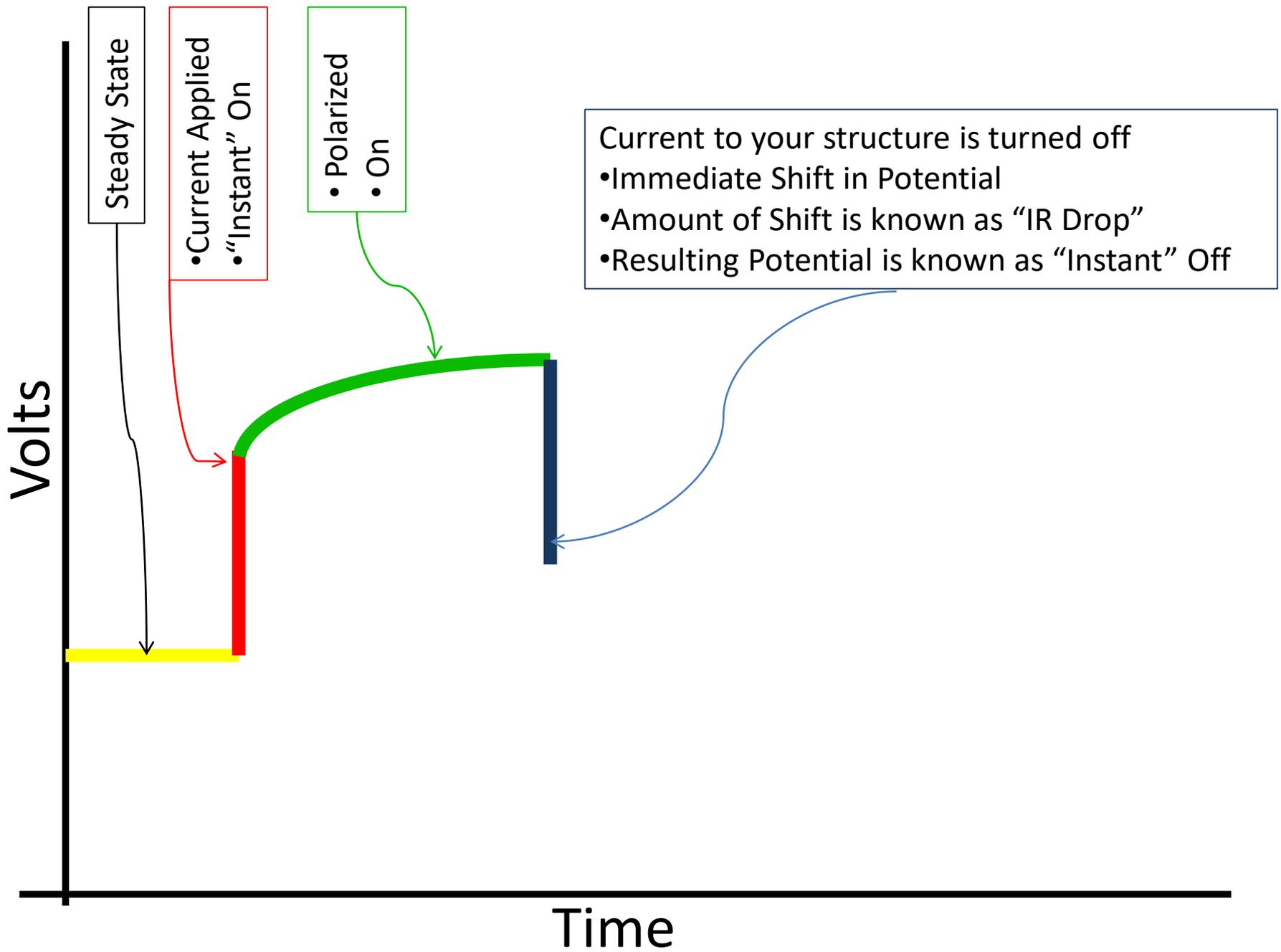
Terminology

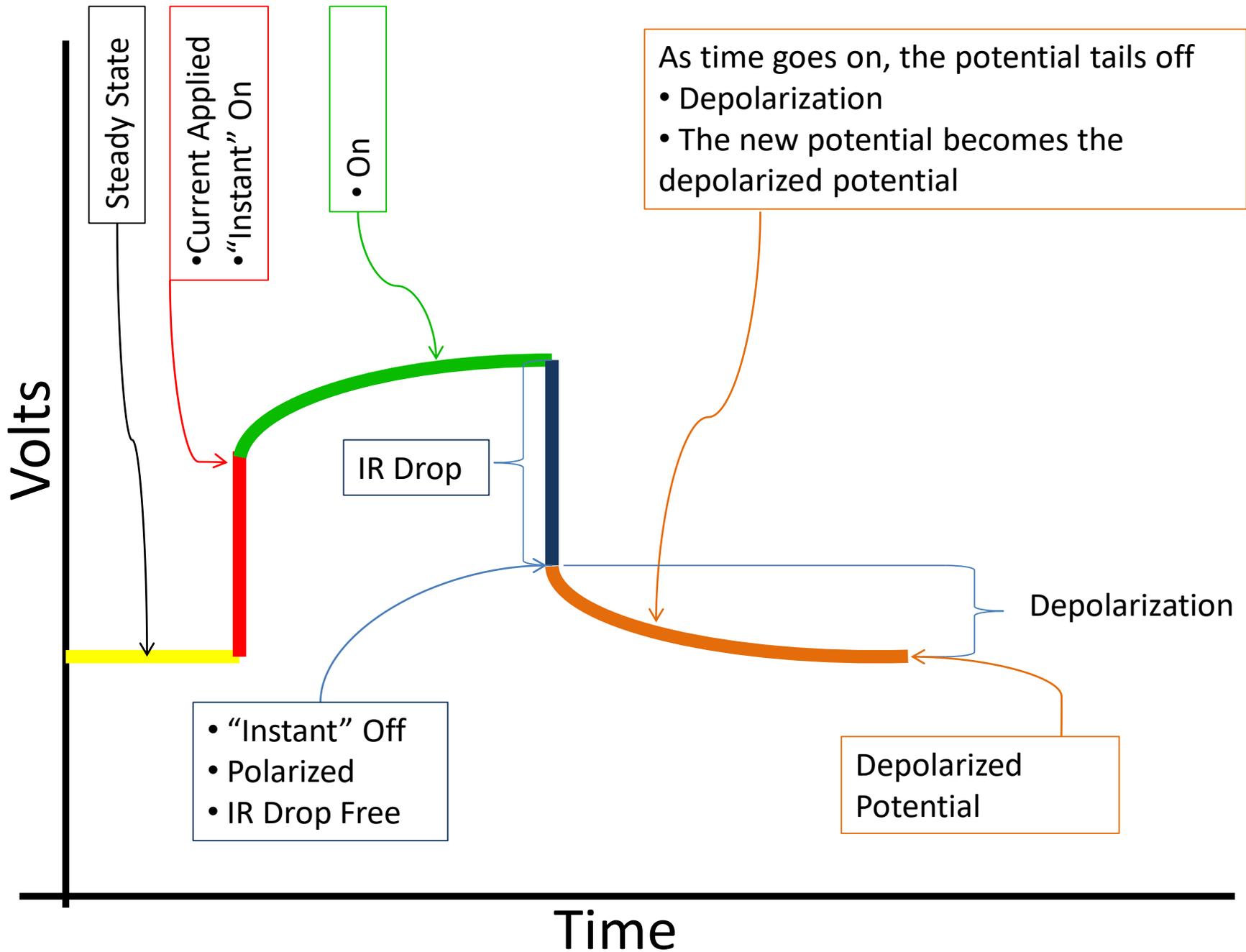
- ✓ On
- ✓ Off
- ✓ “Instant” Off
- ✓ “Instant” On
- ✓ Current Applied
- ✓ Polarized
- ✓ Depolarized
- ✓ IR Drop
- ✓ Native
- ✓ Steady State
- ✓ CP Criteria
- ✓ Adequate CP
- ✓ 8 – 5 On
- ✓ 8 – 5 Off
- ✓ IR Drop Considered
- ✓ 100 mV Depol





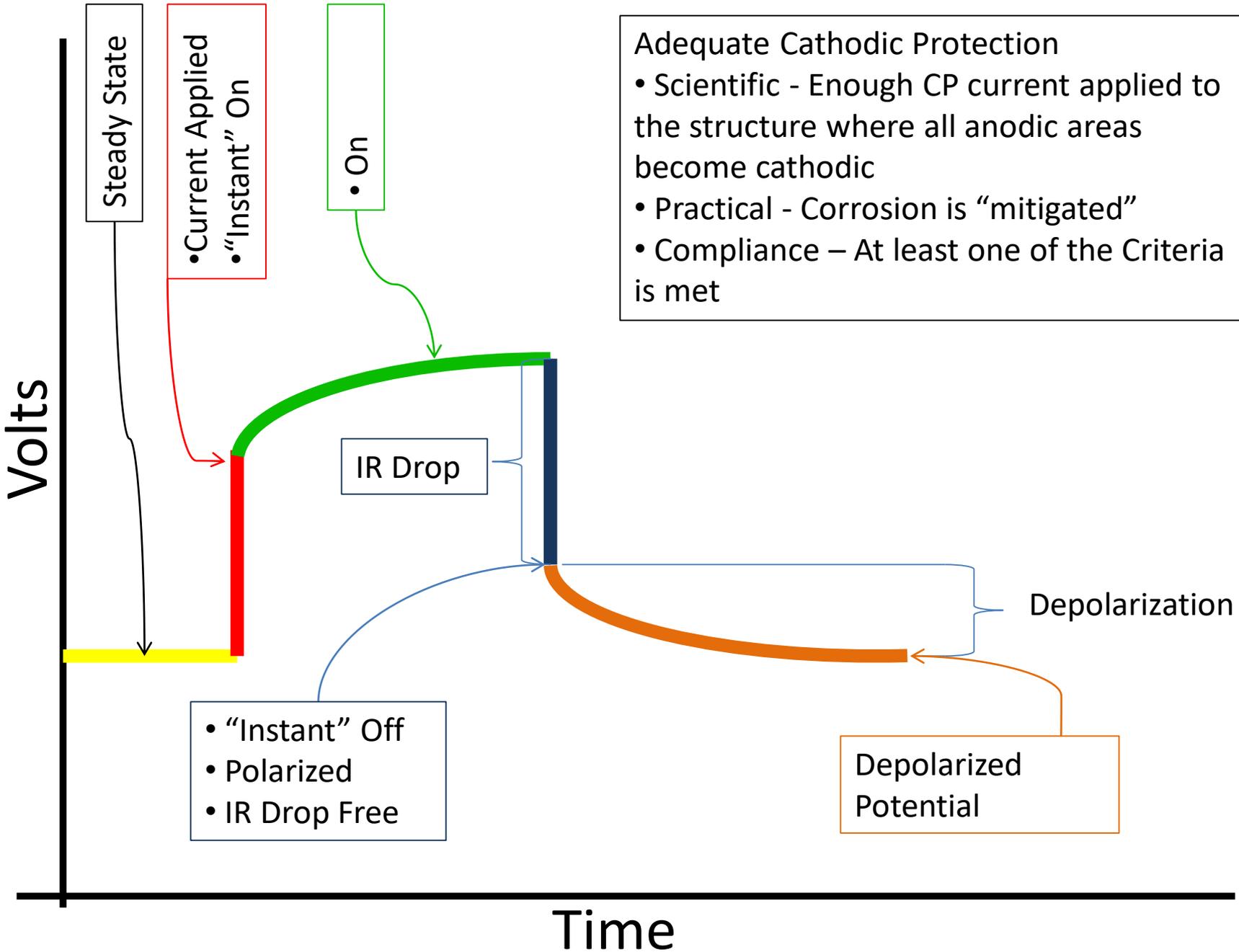






Adequate Cathodic Protection

- Scientific - Enough CP current applied to the structure where all anodic areas become cathodic
- Practical - Corrosion is "mitigated"
- Compliance – At least one of the Criteria is met



Steady State

• Current Applied
• "Instant" On

• On

IR Drop

• "Instant" Off
• Polarized
• IR Drop Free

Depolarization

Depolarized Potential

Volts

Time

