Visualizing Classification Regions

With Guardbands and "Between-Regions"

Presented by

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Visualizing Classification Regions
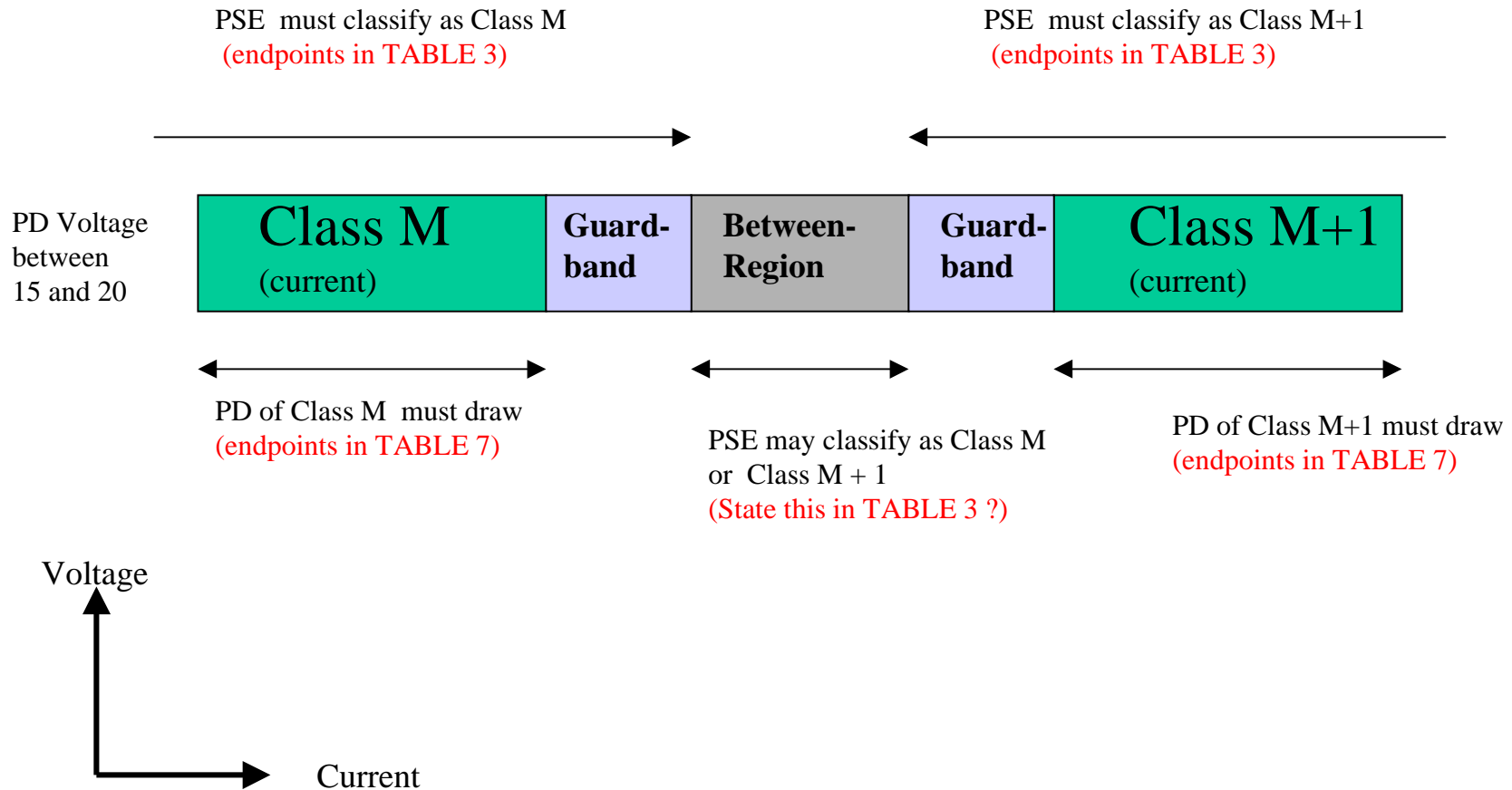# with Guardbands and "Between-Regions"

Objectives:

- **Summarize and visualize email discussions about classification currents and voltages since the July meeting.**

- **Provide framework for reaching agreement on amending tables 3, 4, and 7 in draft D1.2.**
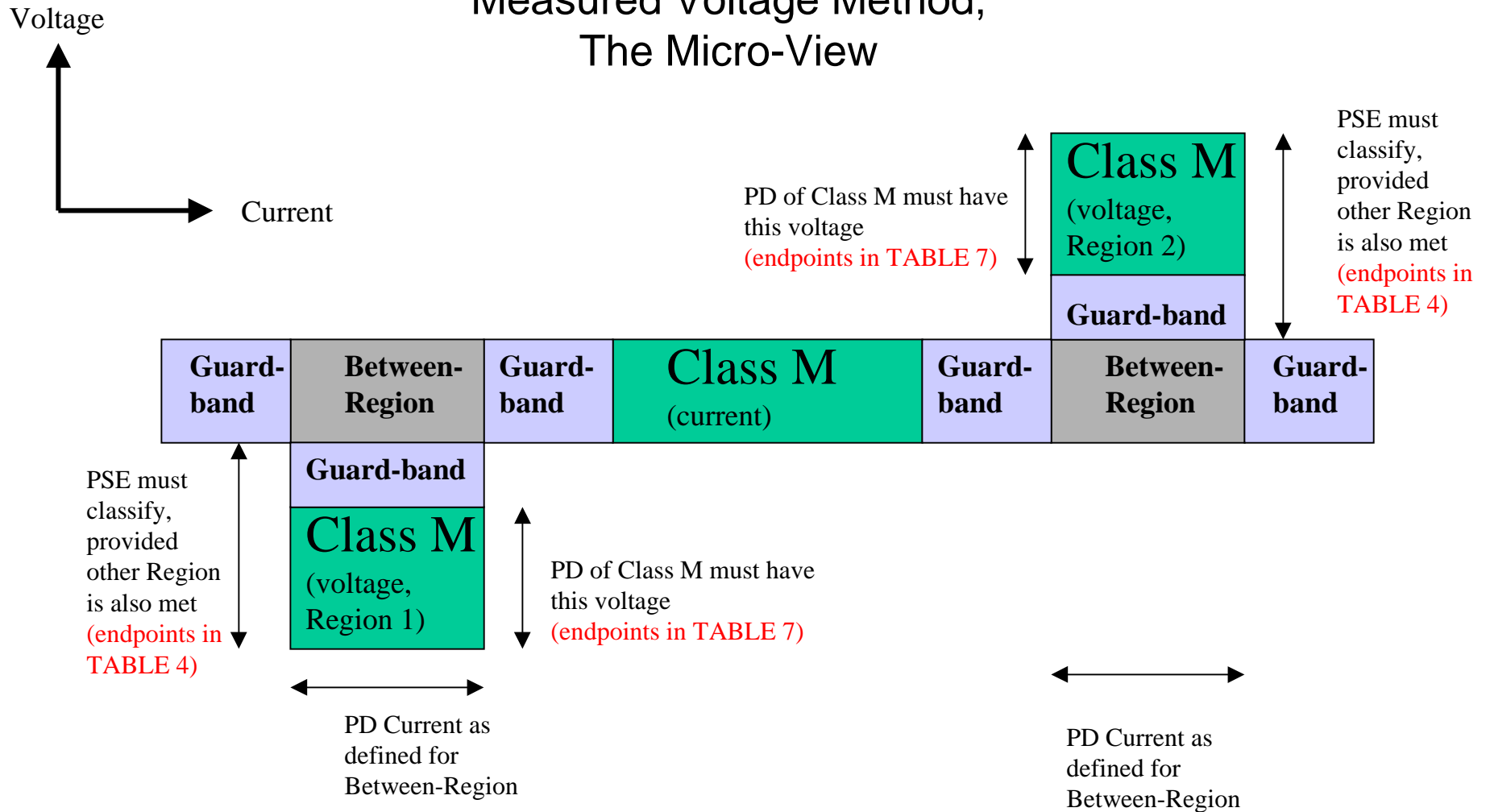
Assumptions:

- **Bands need to be looser.**

- **We can eliminate one of the bands to get more looseness.**

Measured Current Method,
The Micro-View

PSE must classify as Class M
(endpoints in TABLE 3)

PSE must classify as Class M+1
(endpoints in TABLE 3)

PD Voltage
between
15 and 20

Class M (current)	Guard-band	Between-Region	Guard-band	Class M+1 (current)

PD of Class M must draw
(endpoints in TABLE 7)

PSE may classify as Class M
or Class M + 1
(State this in TABLE 3 ?)

PD of Class M+1 must draw
(endpoints in TABLE 7)

Voltage

Current

Measured Voltage Method,
The Micro-View

Voltage

Current

PD of Class M must have
this voltage
(endpoints in TABLE 7)

Class M
(voltage,
Region 2)

Guard-band

PSE must
classify,
provided
other Region
is also met
(endpoints in
TABLE 4)

Guard-band	Between-Region	Guard-band	Class M (current)	Guard-band	Between-Region	Guard-band

Guard-band

Class M
(voltage,
Region 1)

PSE must
classify,
provided
other Region
is also met
(endpoints in
TABLE 4)

PD of Class M must have
this voltage
(endpoints in TABLE 7)

PD Current as
defined for
Between-Region

PD Current as
defined for
Between-Region

Classification Regions,
The Macro-View
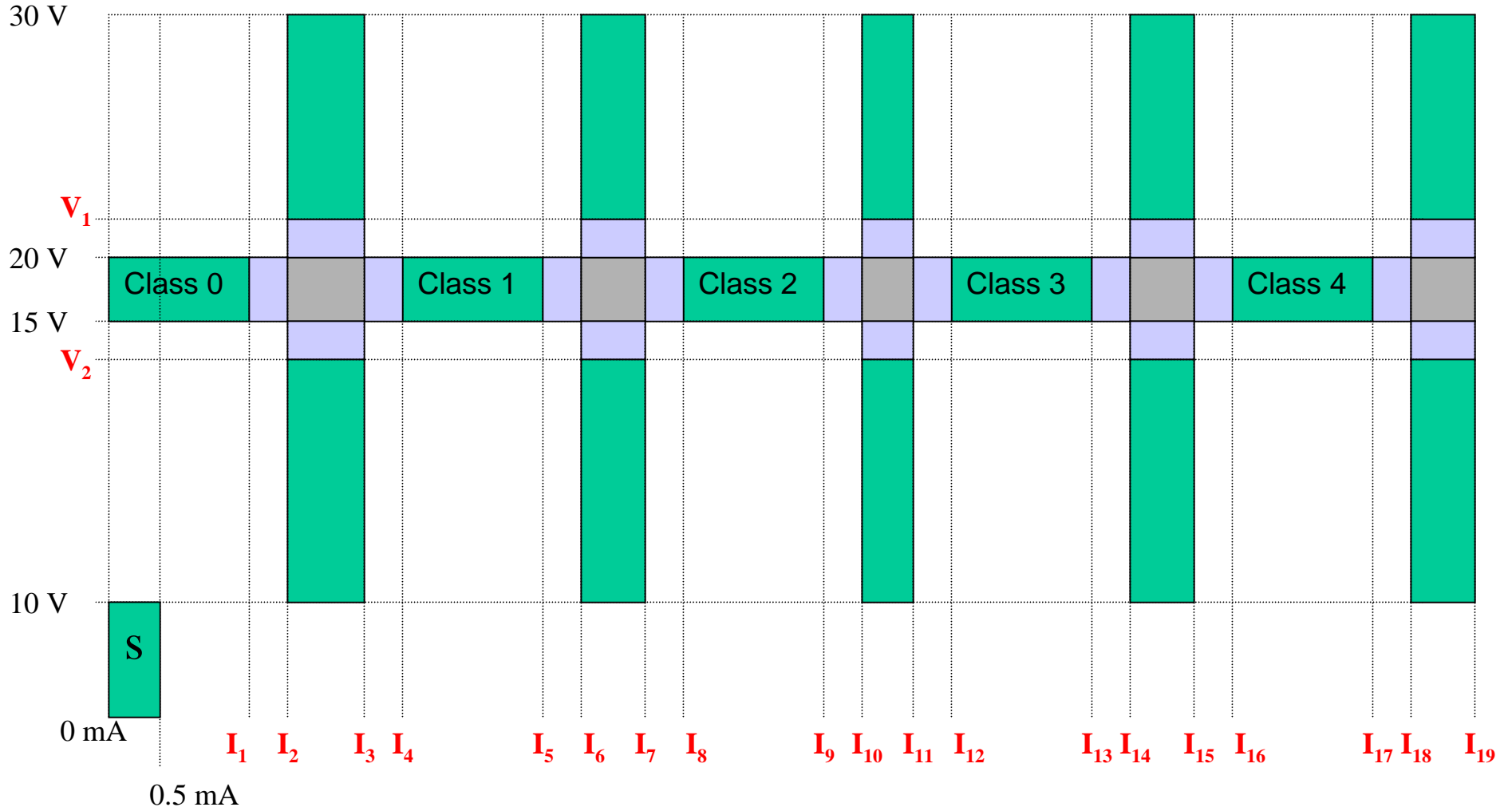
THINGS TO BE DECIDED

- **Should Tables 3, 4 and 7 use the concepts of guardbands and between-bands for the measured current method?**

- **For the measured voltage method?**

- **What is the rationale for the widths of the guardbands and between-bands? Should we use percentages?**

- **What are the resultant numbers for the Tables?**