

## COT Report Calculations:

### 1. Percentage Change Long:

$$\text{Percentage Change Long} = (\text{Long Change} / (\text{Current Long} + \text{Previous Long})) * 100$$

### 2. Percentage Change Short:

$$\text{Percentage Change Short} = (\text{Short Change} / (\text{Current Short} + \text{Previous Short})) * 100$$

### 3. Percentage Change Net:

$$\text{Percentage Change Net} = ((\text{Current Net} - \text{Previous Net}) / (|\text{Current Net}| + |\text{Previous Net}|)) * 100$$

### 4. Percentage Change Open Interest:

$$\text{Percentage Change Open Interest} = (\text{Open Interest Change} / \text{Current Open Interest}) * 100$$

## Example:

Current Long = 1000, Previous Long = 900

Current Short = 500, Previous Short = 450

Current Open Interest = 1500, Open Interest Change = 200

Percentage Change Long =  $\text{round}((100 / 1900) * 100, 1) \approx 5.3\%$

Percentage Change Short =  $\text{round}((50 / 950) * 100, 1) \approx 5.3\%$

Percentage Change Net =  $\text{round}((50 / 950) * 100, 1) \approx 5.3\%$

Percentage Change Open Interest =  $\text{round}((200 / 2800) * 100, 1) \approx 7.1\%$

## Summary:

Sometimes the percentages being equal can seem counter-intuitive.

All changes (percentage long change, percentage short change, and percentage net change) are indeed 5.3%. This results because both long and short values have changed by the same relative amount (100 units for long and 50 units for short) in this particular scenario.