

VARIANCE SCORE ALGORITHMS

Cost Variance

Formulas:

$$CV = \frac{PlTC - (PrTC \text{ OR } ATC \text{ see Criteria})}{PlTC}$$

$$CVm = PlTC - (PrTC \text{ OR } ATC \text{ see Criteria})$$

Where:

CV = Cost Variance

CVm = Cost Variance Monetary Amount

ATC = Actual Total Cost

PrTC = Projected Total Cost

PlTC = Planned Total Cost

ACD = Actual Completion Date

Criteria:

If ATC = null **USE** PrTC

If ATC != null and ACD = null **USE** PrTC

If ATC and ACD != null **USE** ATC

Schedule Variance

Formulas:

$$SV = \frac{PlCD - (PrCD, ACD, \text{ or } TD \text{ see Criteria})}{PlCD - PlSD}$$

$$SVd = PlCD - (PrCD, ACD, \text{ or } TD \text{ see Criteria})$$

Where:

SV = Schedule Variance

SVd = Schedule Variance in Days

ACD = Actual Completion Date

PrCD = Projected Completion Date

PlCD = Planned Completion Date

PlSD = Planned Start Date

TD = Today's Date

Criteria:

If ACD = null and PrCD > TD **USE** PrCD

If ACD = null and PrCD ≤ TD **USE** TD

If ACD != null **USE** ACD