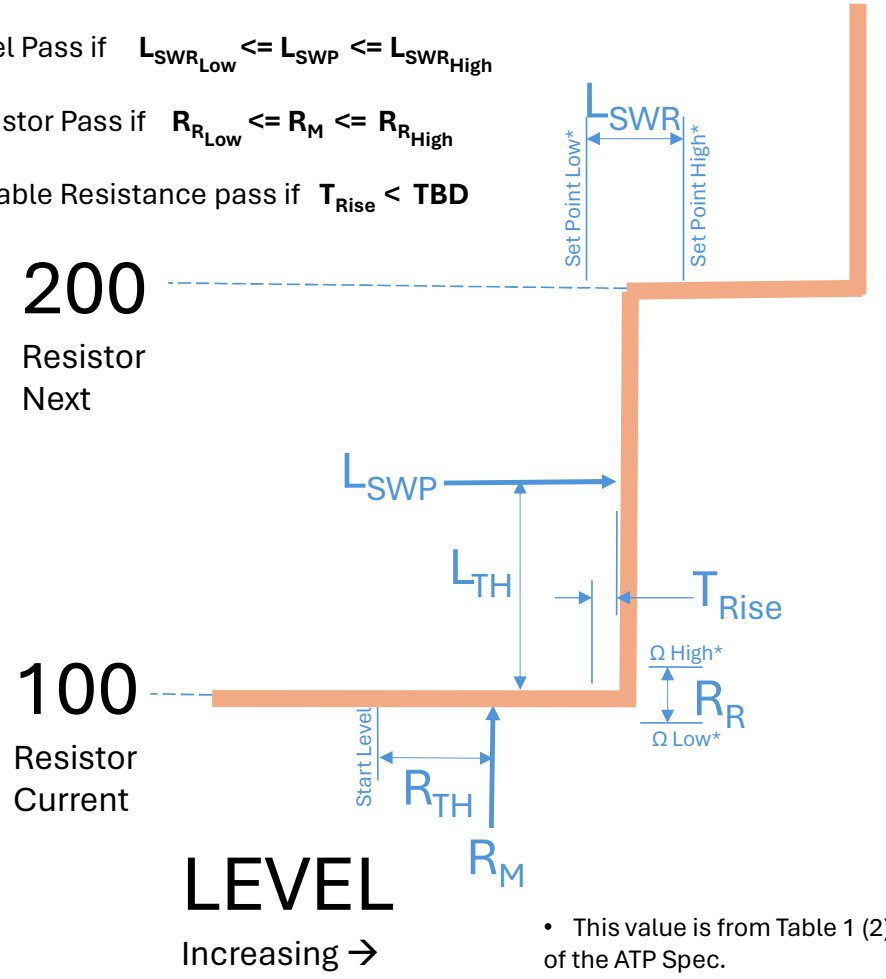
Filling Spec for Auto ATP Test

(Draining Spec would be the mirror.)

Level Pass if $L_{SWR_{Low}} <= L_{SWP} <= L_{SWR_{High}}$

Resistor Pass if $R_{R_{Low}} <= R_M <= R_{R_{High}}$

Variable Resistance pass if $T_{Rise} <$ **TBD**



- This value is from Table 1 (2) of the ATP Spec.

L_{SWP} Level Switch Point - The next Level measurement after the Resistance measurement is grater than L_{TH} when Filling.

L_{TH} Level Threshold – Average of Resistance Requirement at current level and Resistance Requirement at the next level.

L_{SWR} Level Switch Range - From Table 1 (2) Range **L_{SWP}** must be between for Level to pass.

T_{Rise} Rise Time - The time measure between from 110% of Current **R_M** to 90% of the Next **R_M** Requirement. Passing value from (TBD) Table 3 based on Level Fill/Drain rate. (detects variable resistance)

R_M Resistance Measurement - The next Resistance measurement after Level measurement is grater than R_{TH} when Filling.

R_{TH} Resistance Threshold. – Average of Maxim Level at the at current Resistance and Minimum Level Requirement at the next Resistance.

R_R Resistor Range - From Table 1 (2) Range **R_M** must be between for Resistance to pass.