**Yield Based Optimization**

* YBO is a tool that helps in generating yield based optimized test plans containing a list of yielding test cases.
* The term ‘Yielding’ here means the Test cases that have resulted in bugs over the last few runs.
* YBO helps in identifying testcases that have consistently yielded bugs over a period, and de-prioritizing testcases that have negligible failure rate and thus helps in reducing execution challenges, that can be leveraged across teams.

**YBO Benefits:**

* Execution cost reduction ($ BTI)
* Execution cadence reduction
* Manual test plan effort elimination.
* Helps repurposing bandwidth for regression testing.
* Data-Driven decision making using statistical analysis.
* The framework is platform agnostic and can be adopted by any Intel team.
* Removes subjective decision making.

**Understanding input parameters of YBO tool:**

* Program Name
* SKU
* Charter (BIOS/Security/IFWI)
* Test Plan Type (BAT/FV/Orange/Blue)
* Test Plan File (User-provided test plan excel/csv file; optimization will be done on that only)
* Threshold – Number of previous test cycles to be considered for optimization