

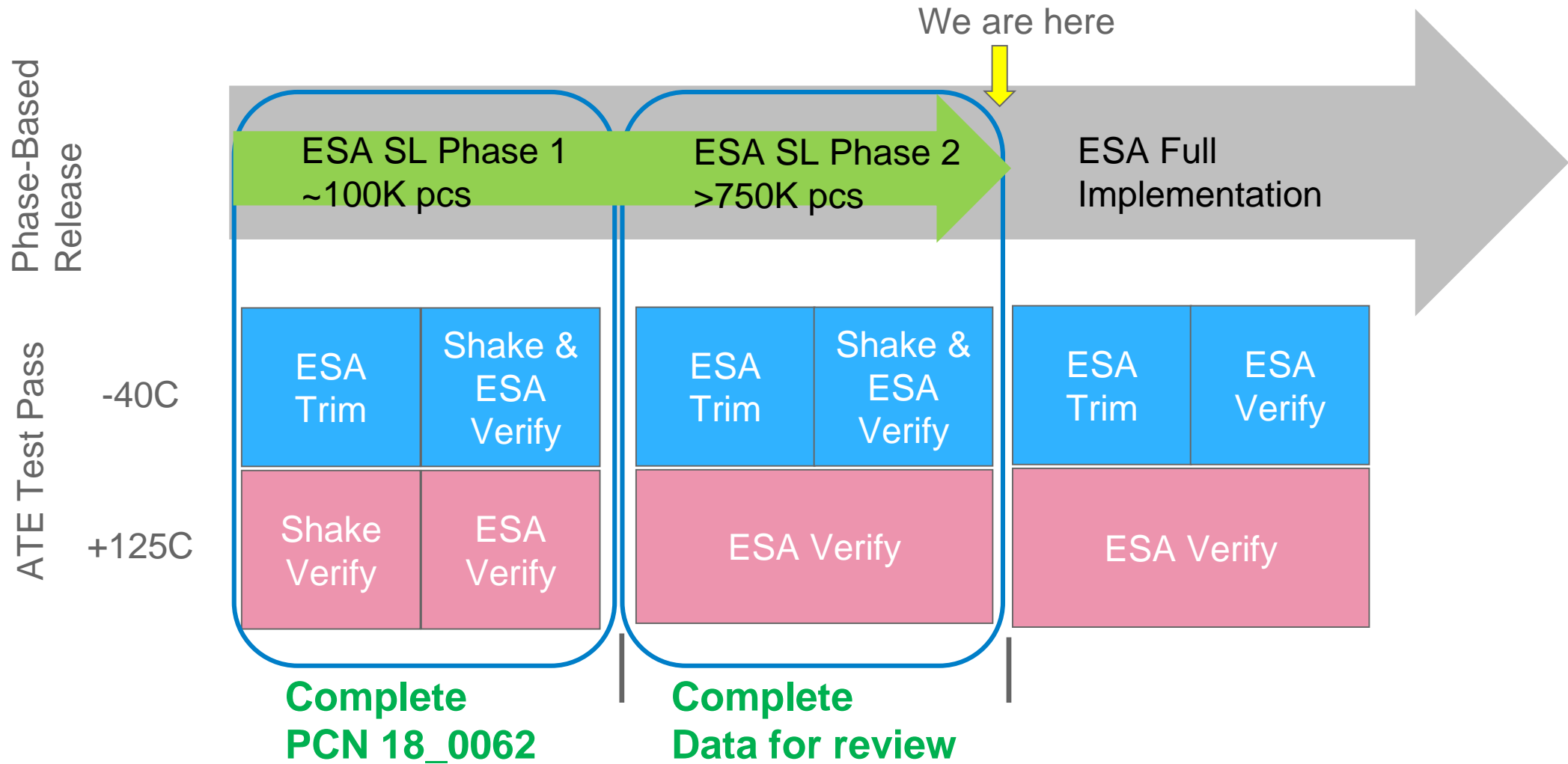
XL251 Full ESA Approach



Introduction:

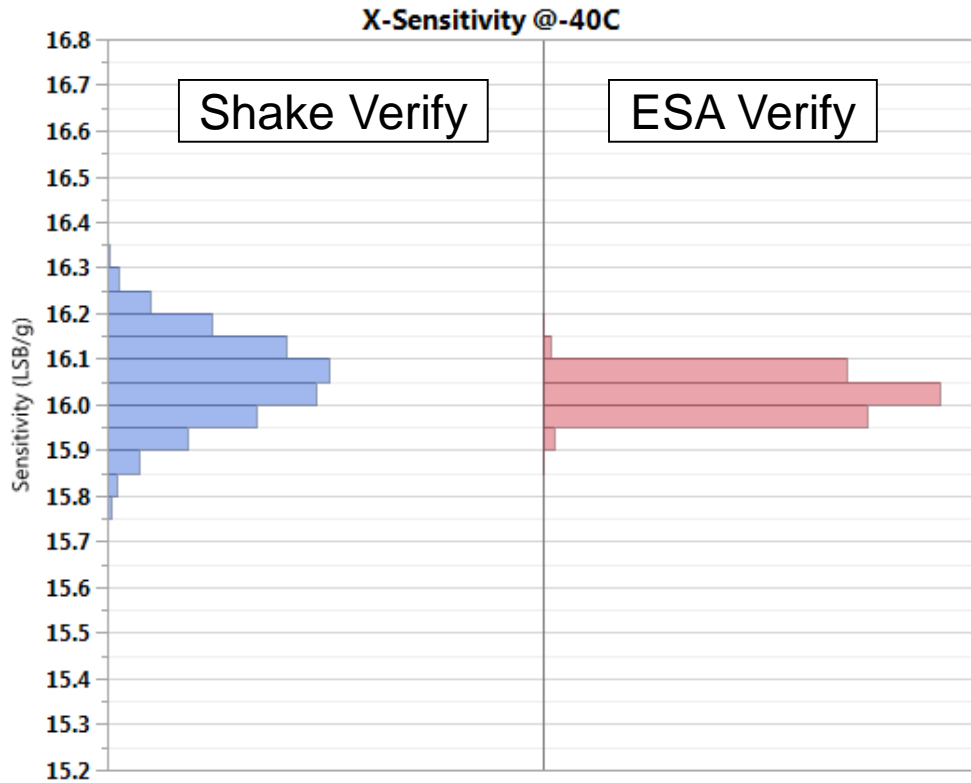
- It is ADI's intention to move to a full Electrostatic Actuated (ESA) measurement of Sensitivity
- This change is in keeping with ADI's long term test strategy and in keeping with ADXL251 original Safe Launch plan
- This change is in keeping with ADI's long term supply strategy
- This PCN applies to ADXL251 ONLY

XL251 ESA Release Plan Flow Chart



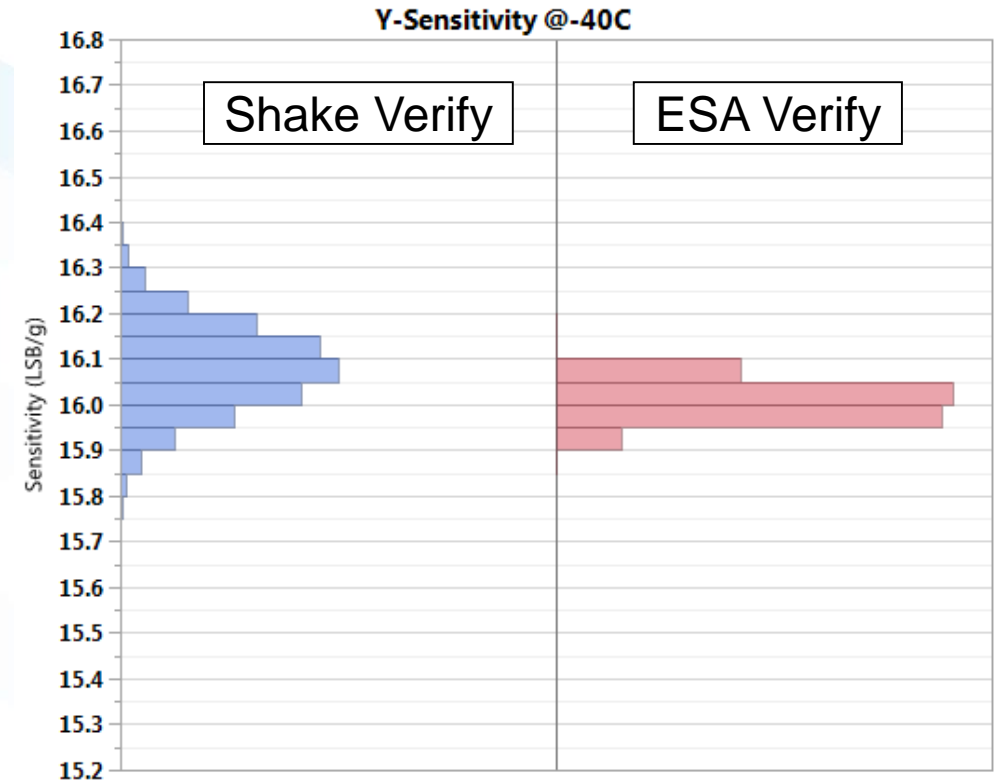
XL251 ESA and Shake Verify @ -40C Qty >750Kpcs

X-axis



-40C	Mean	Sigma	Cpk
ESA	16.02	0.04	6.5
Shake	16.05	0.09	2.78

Y-axis



-40C	Mean	Sigma	Cpk
ESA	16.00	0.04	6.67
Shake	16.08	0.09	2.67

Summary

- ADI has successfully demonstrated that ESA sensitivity is equivalent to shake sensitivity across temperature
 - ESA is as effective at detecting sensitivity rejects
 - ESA CpK is > 1.67
- Based on above results, shake sensitivity verification will be removed from -40C pass (Full ESA)
- Change will be managed through PCN process
 - Customer will be notified when this changes takes place in production with the first lot information