

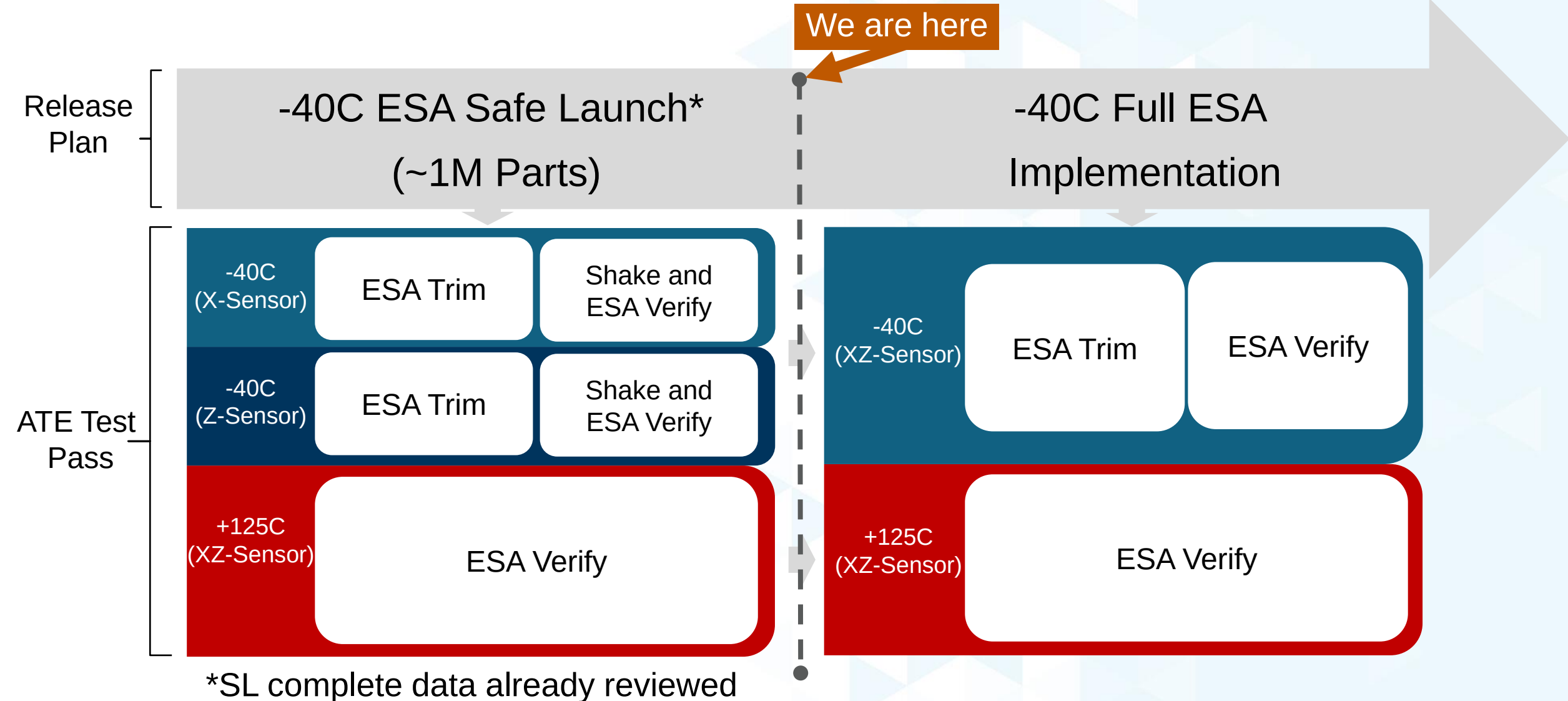
XL252 Full ESA Approach



Introduction

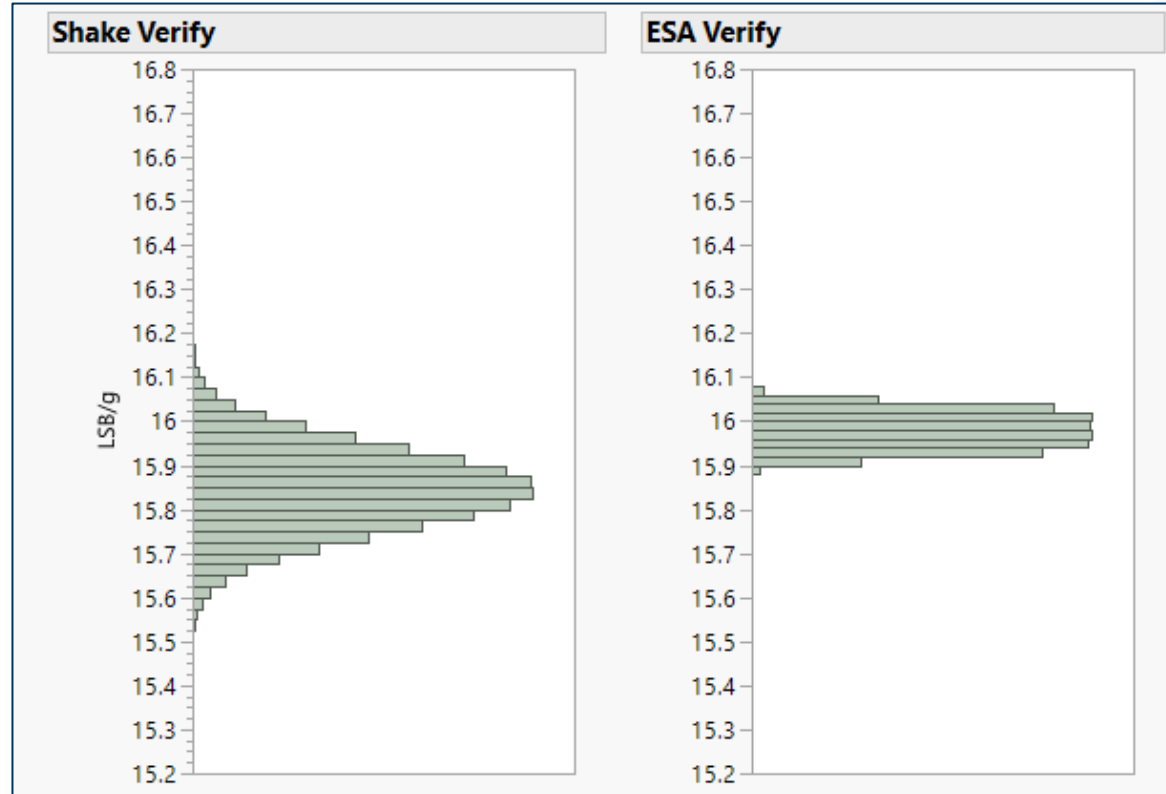
- ▶ It is ADI's intention to move to a full Electrostatic Actuated (ESA) measurement of Sensitivity.
- ▶ This change is in keeping with ADI's long term final test production strategy.
- ▶ This PCN applies to ADXL252 ONLY.

XL252 ESA Release Plan Flow Chart



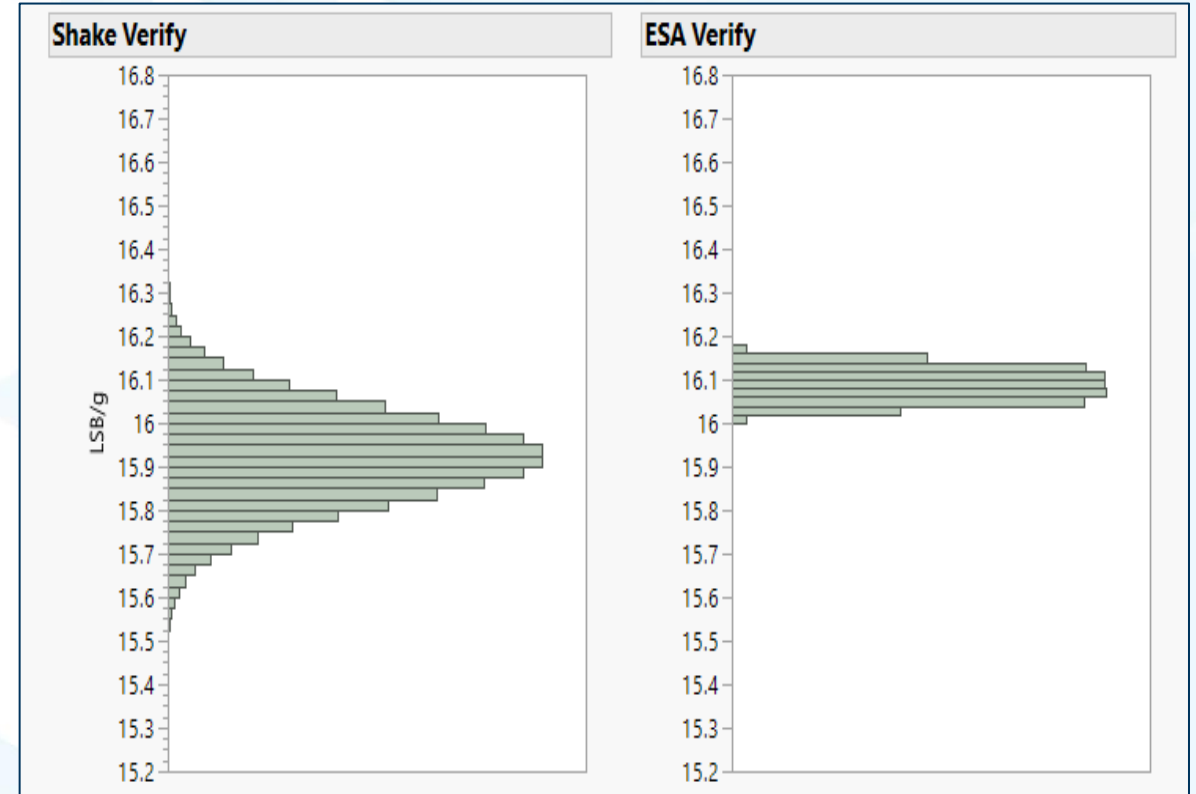
XL252 ESA and Shake Verify (~1M Parts)

► X-AXIS



-40C X-Sens	Mean	Sigma	Cpk
Shake Sens	15.85	0.09	1.15
ESA Sens	15.98	0.04	3.92

► Z-AXIS



-40C Z-Sens	Mean	Sigma	Cpk
Shake Sens	15.92	0.11	1.19
ESA Sens	16.09	0.04	3.61

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.