



The Standards Laboratory and the Corrective Action Notification (CAN) Process

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Topics Covered

- The Standards Laboratory (SL) and CANs
- Examples of CANs issued by the SL
- 1 Minute Fly By CAN Case Study
- CAN Resolution Assistance

Standards Laboratory and CANs

- Common calibration facility for the PQAO
- Verification ensures data collection systems have traceability to the National Institute of Standards and Technology (NIST)
- Failures impact data quality, therefore a CAN will document steps taken to resolve the identified issue
 - CANs issued in 2023: 18
 - Equipment Tested in 2023: 407

Examples of CANs Issued by the SL

- Verification Failure

Range (ppb)	500		
Comparison	Date	Slope	Intercept
1	2/1/2021	1.002325	-0.000096
2	2/2/2021	1.001895	-0.000029
3	2/2/2021	1.002520	-0.000171
4	7/14/2021	1.004405	0.000275
5	1/6/2022	0.994828	0.000031
6	7/5/2022	0.969672	0.000096

MEAN Slope:	0.995941
MEAN Intercept:	0.000018

RSD Slope [(Stdev / Mean) x 100] =	1.33%	(< 1.5)
FRSD Intercept [(Stdev / Fullscale) x 100] =	0.00003%	(< 0.5)
Change From Previous Calibration =	2.53%	(< 1.0)

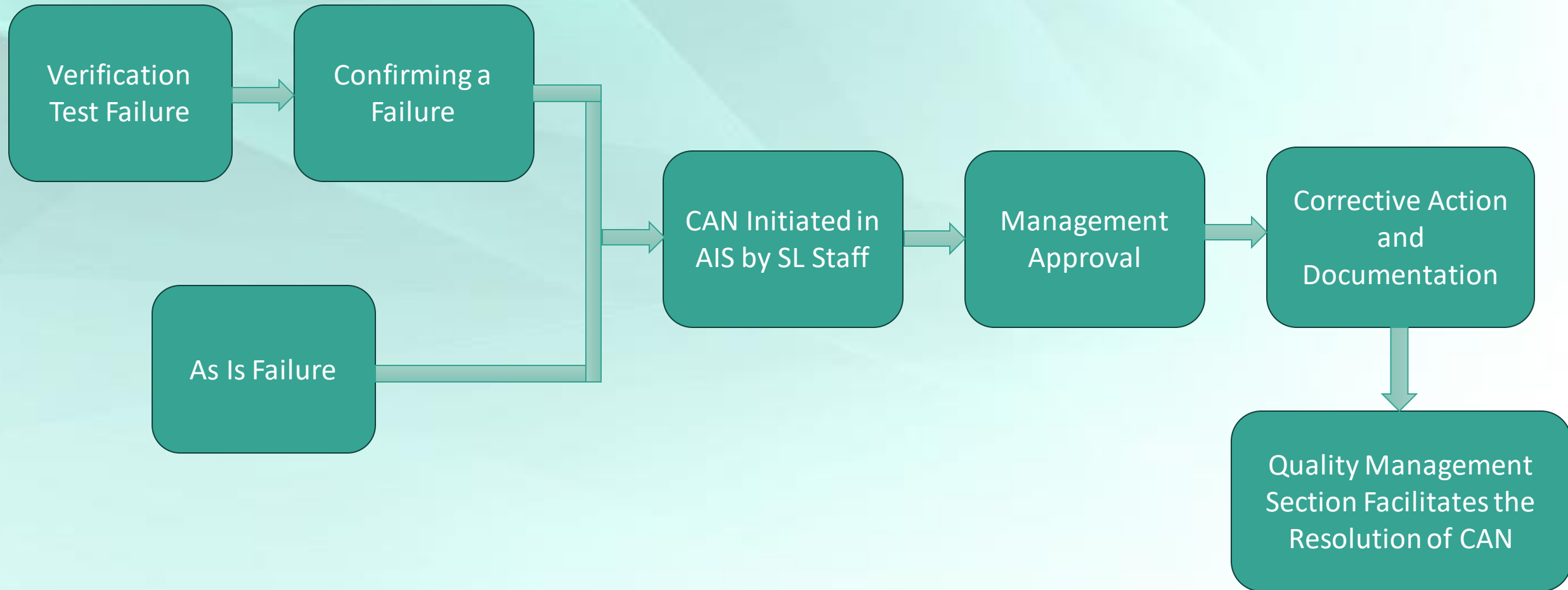
- “As Is” Failure

- Unit not powering on
- Blank or black screen
- Failed leak check
- Erroneous readings
- Visibly broken or damaged parts



SL and the CAN Life Cycle

1 Minute Fly By Example



CAN Resolution Assistance

- Failure of verification criteria may impact data quality if calibrations were made using the equipment with the identified failure
- Investigation must be conducted
 - Examine the data collected at the air monitoring station
 - Look for changes in your nightly precision checks and calibrations
 - Gather evidence for whether data needs invalidating or not
- Your PQAO liaison is available to help in the investigation

Questions?

CANning is Caring!



Standards Lab Certification Services Request: SL@arb.ca.gov

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For CAN Resolution Assistance: Contact Your CARB Liaison