FAA Initiative to Address Noise Concerns of Santa Cruz/Santa Clara/San Mateo/San Francisco Counties

FAA & Select Committee Working Meeting

July 15, 2016

Noise Modeling
vs.
Noise Measuring

Measured noise data is the basis for the noise models

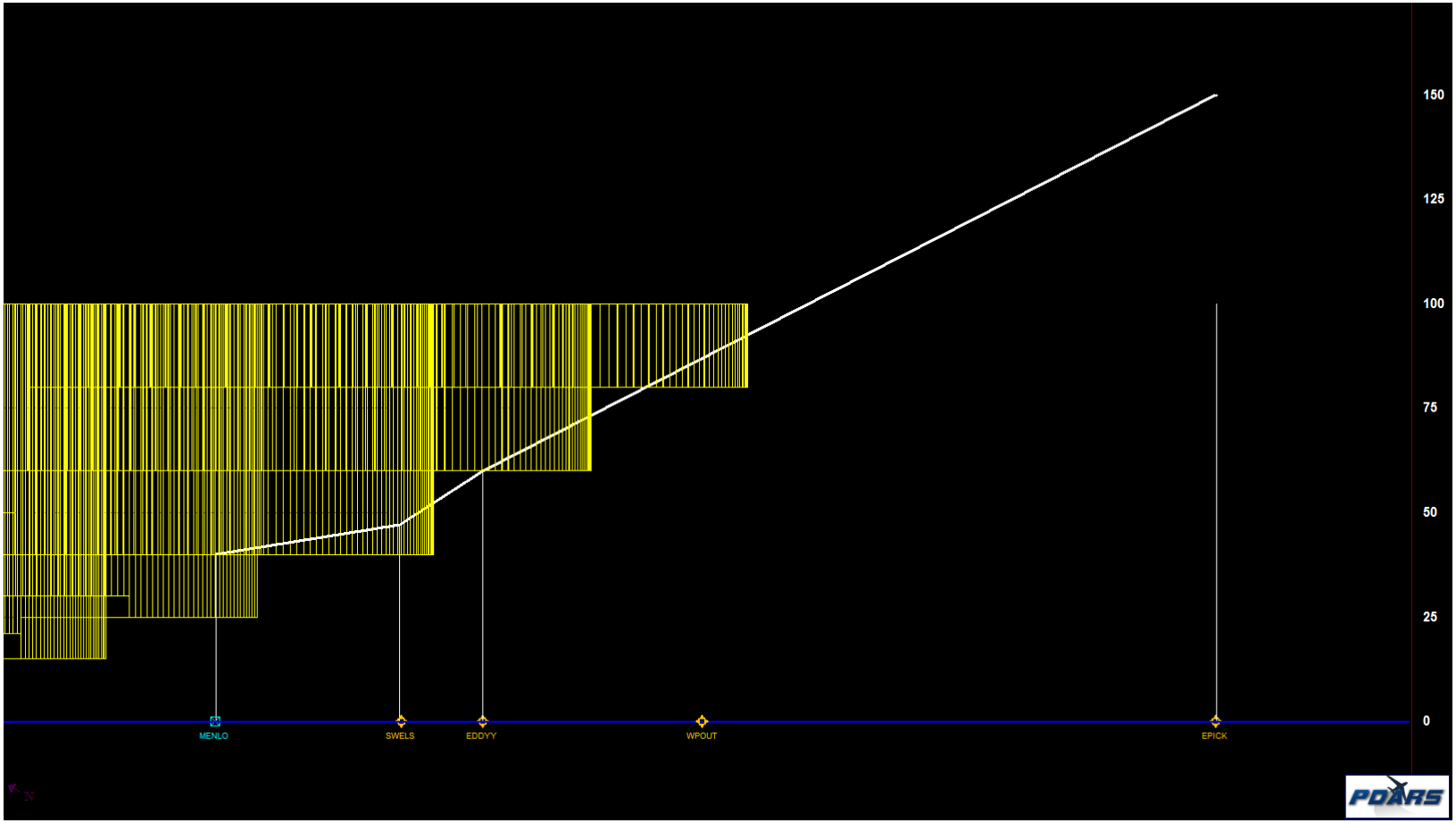
- INM/NIRS are based on international standards i.e. SAE
- Aircraft manufactures provide noise data
- Noise data is integrated into noise models and verified before release
- Field noise measurements have been taken at various locations to validate modeling

Field noise measuring has limitations

- Noise modeling is used to evaluate historical, existing, and forecast scenarios
- Noise measuring would only evaluate historical scenarios
- Noise measuring would require many monitors over large geographical area for a long period of time to replicate modeling

Field noise measuring is typically done at specific locations

- Noise measuring may be used at a specific location to demonstrate noise exposure for a give period of time
- Airport operators have installed noise monitors in some communities
- SFO installed noise monitors under the SERFR

Class B

Current - SERFR Descent Profile