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 manufacturers 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