

Acoustical Echo Canceller Software (G.167 Software)

Floreat's Acoustic Echo Canceller Software implements the ITU-T G.167 recommendation. Acoustic Echo Canceller (AEC Software) is used to cancel acoustic feedback between a loudspeaker and a microphone in loud-speaking audio systems, teleconferencing devices and voice-controlled systems.

The Floreat G.167 Acoustical Echo Canceller software (AEC Software) is modular, re-locatable and re-entrant to support multi-channel capability and can operate within a multi-tasking environment or as a single task.

It supports user callable functions and can be integrated with Floreat's other fax, telephony, speech compression, VoIP, FoIP, DSVD, imaging and video software for various applications. Floreat G.167 AEC software is supported on various DSPs and processors as well as offered in ANSI C.

Features:

- Conforms to ITU-T G.167 requirements
- Supports user callable functions
- 64 ms echo delay
- Fast convergence
- Direct interface with PCM 8 KHz sampled data.
- Robust double talk detector and non linear processor
- Both sample-by-sample and block based processing supported
- Automatic continuous training
- CNG modules can be optionally added for enhanced performance
- Easily portable, re-entrant and re-locatable code
- C callable APIs

Floreat supports its software on the following DSPs, Controllers and Processors

- TI C5000 and C6000
- Intel Pentium fixed and floating point and XScale
- ADI Blackfin (BF53x), SHARC 21xxx
- ARM 7/9/9E, MIPS
- PowerPC, STM, SuperH cores, Philips Nexperia
- CEVA (formerly DSPG's licensing division)
- Ported by customers to their processors:
 - NEC
 - STM
 - Zilog

- ▶ For further information on the standard, please click [ITU Standards](#).
- ▶ For our brief profile, please click [Company Profile](#).
- ▶ For further inquiry, please send us an [Inquiry Form](#) or send an email to info@floreatinc.com.