**1. Name.** Douglas S. Lacey

**2. Occupation.** Forensic audio/video/image examiner

**3. Place of employment.** Self-employed (dba BEK TEK LLC)

**4. Present title.** Owner, forensic audio/video/image examiner

**5. Position currently held.** Owner, forensic audio/video/image examiner

**6. Briefly describe the subject matter of your specialty.** Forensic analyses of audio recordings, video recordings, and digital still image files.

**7. Specializations within that field.** Audio enhancement, video enhancement, image enhancement, audio authentication, video authentication, image authentication, audio signal analysis (e.g., recorded gunshot comparisons), audio redaction, video redaction, duplication/conversion of audio/video/image files.

**8. What academic degrees are held and from where and when obtained.**

* Master of Science Degree, Recording Arts emphasis in Media Forensics, University of Colorado Denver [2019]
* Bachelor of Science Degree, Electrical Engineering (Audio Engineering Program), University of Miami [1996]

**9. Specialized degrees and training.** Please see pages 2 through 4 of my CV for “Specialized Short Courses and Professional Training”.

**10. Licensing in field, and in which state(s).** N/A

**11. Length of time licensed.** N/A

**12. Length of time practicing in this field.** 25+ years

**13. Board certified as a specialist in this field.** Certified Forensic Video Examiner (International Association for Identification)

**14. Length of time certified as a specialist.** 7+ years

**15. Positions held since completion of formal education, and length of time in each position.**

* Federal Bureau of Investigation (September 1996 through June 2003) – Electronics Engineer/Forensic Examiner
* DL Technology LLC (October 1999 through July 2014) – Private consultant, forensic examiner, and researcher
* BEK TEK LLC (August 2014 to present) – Private consultant, forensic examiner, and researcher

**16. Duties and function of current position.** Owner, private consultant, examiner, and researcher. Conducts forensic examinations of audio and video media (analog and digital) and digital images, including authentication of recordings/images, intelligibility/visual enhancement, identification/classification of non-voice signals, digital data retrieval/analysis, metadata analysis, and other related examinations. Presents expert testimony and assists attorneys with preparing for cross-examination of opposing experts. Evaluates appropriate recording and analysis equipment. Conducts research in forensic audio/video/image analysis related fields and authors/co-authors peer-reviewed papers and other publications.

**17. Length of time at current position.** 7+ years

**18. Specific employment, duties, and experiences.** Please see page 2 of my CV for “Work and Testimony Experience”.

**19. Whether conducted personal examination or testing of (subject matter/ person/instrumentality).** Conducts forensic examinations of audio and video media (analog and digital) and digital images, including authentication of recordings/images, intelligibility/visual enhancement, identification/classification of non-voice signals, digital data retrieval/analysis, metadata analysis, and other related examinations.

**20. Number of these tests or examinations conducted by you and when and where were they conducted.** Worked on 314 cases while employed at the FBI (1996-2003) and over 1,160 in private practice since 1999.

**21. Teaching or lecturing by you in your field.** N/A

**22. When and where your lecture or teach.** N/A

**23. Publications by you in this field and titles.** Please see pages 4 and 5 of my CV for “Peer-Reviewed Publications” and “Other Publications”.

**24. Membership in professional societies/associations/organizations, and special positions in them.**

* Organization of Scientific Area Committees (OSAC) – currently a member of the Digital Evidence Subcommittee within the Digital/Multimedia Scientific Area Committee [please see page 9 of my CV for more details regarding previous positions];
* American Academy of Forensic Sciences (AAFS) – currently a Fellow in the Digital & Multimedia Sciences Section [please see page 9 of my CV for more details regarding previous positions];
* Audio Engineering Society (AES) – currently a Member and member of the Technical Committee on Audio Forensics [please see page 9 of my CV for more details regarding previous positions];
* International Association for Identification (IAI) – currently an Active Member and a member of the Editorial Board for the *Journal of Forensic Identification*
* Scientific Working Group on Digital Evidence (SWGDE) – currently a Member and a member of the Audio Committee.

**25. Requirements for membership and advancement within each of these organizations.**

* Organization of Scientific Area Committees (OSAC) – apply for membership based on education, training, and experience; approval by Board to become a member; no advancement opportunities.
* American Academy of Forensic Sciences (AAFS) – possess a 4-year degree, have minimum number of years of experience, and have recommendation of a current Member or Fellow; approval by Section Chairs (membership level based on education and years of experience); membership advancement based on participation within the AAFS, publication of peer-reviewed papers, etc. and approval of Section Chairs;
* Audio Engineering Society (AES) – no specific requirements other than involvement in an audio-related field; no advancement opportunities.
* International Association for Identification (IAI) – apply for membership based on education, training, and experience; no advancement opportunities.
* Scientific Working Group on Digital Evidence (SWGDE) – attend SWGDE meetings as a “guest” on two occasions; apply for membership; recommendation by appropriate technical committee and vote of entire SWGDE membership; no advancement opportunities.

**26. Honors, acknowledgments, and awards received by you in your field.** N/A

**27. Any professional discipline or suspensions:** No

**28. Any convictions of anything other than a speeding ticket:** No

**29. How many times have you been retained as an expert?** Worked on 314 cases while employed at the FBI (1996-2003) and over 1,160 in private practice since 1999.

**30. What area of practice have you been retained on?** Forensic audio analysis/enhancement/authentication/signal analysis/redaction, forensic video analysis/enhancement/authentication/redaction, forensic image analysis/enhancement/authentication.

**31. What % by a Plaintiff:** Estimate 25% civil plaintiff

**32. What % by the Defense:** Estimate, 80%, 75% civil defense

**33. What % by the Prosecution:** Estimate 20% prosecution, prosecution often has access to state or federal forensic labs and is less inclined to retain private labs

**34. How many times have you been deposed as an expert?** 16

**35. When was the last time you had your deposition taken?** November 16, 2020

**36. Number of times testimony has been given in court as an expert witness in this field.** 41

**37. Availability for consulting to any party, state agencies, law enforcement agencies, defense attorneys.** Yes, available to all.

**38. How many times have you testified as an expert in Court or before an arbitrator:** 41

**39. What services do you offer?** Audio enhancement, video enhancement, image enhancement, audio authentication, video authentication, image authentication, audio signal analysis (e.g., recorded gunshot comparisons), audio redaction, video redaction, duplication/conversion of audio/video/image files.

**40. What is your hourly rate to consult?** $230.00 per hour for publicly-funded cases, $295.00 per hour for privately-funded cases. Three-hour minimum per case. Please see Fee Schedule for more details.

**41. What is your hourly rate to provide deposition testimony?** $230.00 per hour for publicly-funded cases, $295.00 per hour for privately-funded cases. Three-hour minimum per case. Please see Fee Schedule for more details.

**42. What is your hourly rate to provide trial testimony:** $230.00 per hour for publicly-funded cases, $295.00 per hour for privately-funded cases. Three-hour minimum per case. Please see Fee Schedule for more details.

**43. Other fees:** Eight-hour minimum per each 24-hour day while on travel. Travel days themselves filled portal-to-portal. Actual expenses (e.g., shipping costs, travel-related costs), mileage and meals/incidental expenses billed at federal per diem rates. Please see Fee Schedule for more details.