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**Via Email and Electronic Filing**

Deborah Salons  
Attorney Advisor  
Wireline Competition Bureau  
Competition Policy Division  
Federal Communications Commission  
445 Twelfth Street SW  
Washington, DC 20554

**Re: *Call Authentication Trust Anchor (WC Docket No. 17-97)***

Dear Ms. Salons:

We appreciate Chairman Pai's November 5, 2018, letter acknowledging Google's commitment to implement a robust call authentication framework, and we welcome the opportunity to provide this update on our efforts. We are working toward the goal of implementing SHAKEN/STIR<sup>1</sup> once the standards are finalized and approved. To that end, we have been deeply involved with the Secure Telephone Identity Governance Authority (GA), including by serving as an at-large member on its Board of Directors and through our representation on the GA's Technical Committee.

Once the SHAKEN/STIR framework is deployed, we intend to provide consumers with clear information to empower them to identify unsigned and improperly signed calls. We expect this information to be very similar to what we are already providing—independent of SHAKEN/STIR—at no cost today. Specifically, Google's Phone app offers a robust solution for reducing the number of illegally spoofed calls to our users on Android phones. (Available at [https://play.google.com/store/apps/details?id=com.google.android.dialer&hl=en\\_US](https://play.google.com/store/apps/details?id=com.google.android.dialer&hl=en_US).) Any device manufacturer and/or carrier can adopt this solution and preload it on the devices they sell, with no cost to them or to the users who benefit.

In addition, we provide Android users with the ability to filter out spam calls—i.e., a way to prevent suspected spam calls, including illegally spoofed calls, from ringing and instead send

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<sup>1</sup> SHAKEN/STIR is an acronym of two sets of technical specifications: the Secure Telephone Identity Revisited (STIR) protocols defined by the Internet Engineering Task Force (IETF), and the Signature-based Handling of Asserted information using toKENs (SHAKEN) specification defined by the ATIS/SIP Forum's IP-NNI Task Force.



those calls immediately to voicemail. This feature is optional and builds on the existing “suspected spam caller” warning. For more information, please visit <https://support.google.com/phoneapp/answer/3459196>.

We also recently began offering the Call Screen feature on Pixel devices, which gives users the option to have the Phone app ask who’s calling and why before they decide to answer a call. We’re working with other device manufacturers to enable this functionality on their phones as well. More details about Call Screen are available at <https://support.google.com/phoneapp/answer/9118387>.

Google shares the Commission’s concern for addressing the problem of illegally spoofed calls. We will continue to invest in our solutions for preventing such calls from reaching users, while at the same time remaining committed to the deployment of STIR/SHAKEN.

This notice is being filed in the above-referenced docket for inclusion in the public record. Please contact me should you have any questions.

Respectfully submitted,

A handwritten signature in blue ink, reading "Darah Franklin". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Darah Franklin  
*Counsel*