STMicroelectronics Unleashes Enhanced NFC Experiences of New iOS 13 Platform

❖ *New iOS 13 release to significantly extend support for NFC applications including reading/writing tags and improved user experience*
❖ *ST provides support for developers to accelerate delivery of solutions for iOS 13 based on extensive ST25 NFC-tag family*

Geneva, October 22, 2019 – STMicroelectronics (NYSE: STM), a global semiconductor leader serving customers across the spectrum of electronics applications, is enhancing software support for smartphone app developers to unleash the full potential from the new Core NFC Framework of the newly released iOS 13 operating system.

The Core NFC Framework in iOS 13 enables reading and writing interactions with diverse types of NFC tags, including ISO/IEC 15693type-5 tags. The newly supported commands include the full standard command set as well as the extended set specified in ISO/IEC 15693, together with the support of custom commands, to permit interaction with embedded electronics through dynamic tags that can store changeable information such as fitness-tracking data. The move enables powerful and innovative contactless possibilities extending well beyond payments and ticketing to include smart retail, cycle or scooter hire, smart parking, healthcare, coupons, loyalty schemes, easy device pairing, gaming, and many more, including industrial and automotive use cases.

ST has a rich portfolio of chips for use in mobile devices, payment terminals and automotive, and NFC tags, including the ST25T series for type-5- tags in widespread use today and the ST25DV series for type-5 long-range (ISO/IEC 15693) dynamic tags. In addition to standardized capabilities, ST's tags provide enhanced features such as custom instructions and TruST25™ digital signature for additional protection. Developers can leverage a comprehensive ecosystem that includes the ST25 SDK software development kit, ST25DV-DISCOVERY evaluation kit, X-NUCLEO-NFC04A1 STM32 Nucleo Expansion board, ST25 (Mobile) NFC tap application, and soon-to-be-updated ST25 NFC tap iOS application for development on iOS 13 devices.

 "*The mobile world has so far only scratched the surface of the convenience and efficiency NFC can bring to many daily interactions. With support for the full range of*

NFC tag functionalities about to arrive on iOS devices, many new and imaginative apps can and will emerge," said Benoit Rodrigues, Memory Division General Manager, STMicroelectronics. "*With our strong portfolio of NFC tag ICs and a full suite of tools to support development of tags and unleash the full capabilities of the new Core NFC Framework, we're positioned to have a central role in changing the way people interact with the world through their mobiles.*"

As a long-time advocate of type-5 ISO/IEC 15693 dynamic tags and a board member of the NFC Forum and ISO standards organizations developing contactless specifications, ST has expertise across the full range of NFC technologies and applications and had already contributed to development programs for the launch of iOS 13.

Moreover, to help developers begin creating new apps for iOS 13 devices quickly, ST has made source code available for the ST25 NFC tap application and published [a guide with tips and tricks](#) for unleashing the potential of NFC on iOS 13.

About STMicroelectronics
ST is a global semiconductor leader delivering intelligent and energy-efficient products and solutions that power the electronics at the heart of everyday life. ST's products are found everywhere today, and together with our customers, we are enabling smarter driving and smarter factories, cities and homes, along with the next generation of mobile and Internet of Things devices.

By getting more from technology to get more from life, ST stands for life.augmented.

In 2018, the Company's net revenues were $9.66 billion, serving more than 100,000 customers worldwide. Further information can be found at [www.st.com.](http://www.st.com)

For Press Information Contact:

Michael Markowitz
Director Technical Media Relations
STMicroelectronics
Tel: +1 781 591 0354
Email: michael.markowitz@st.com