Contact: Michelle Welch

Email: michelle.welch@goodeintelligence.com

Apple Face ID to have significant impact on global mobile biometric market

With Apple's announcement that it is replacing Touch ID fingerprint authentication with a 3D facial recognition technology for its iPhone X, Goode Intelligence reports that Face ID is likely to be just as disruptive to the use of biometrics as Touch ID was.

London, United Kingdom –14 September 2017 – Goode Intelligence (www.goodeintelligence.com), a leading research and consultancy organisation for the biometrics industry, today issued a new Analyst Report, examining the impact of Apple Face ID on the market, and forecasts that revenues for mobile & wearable biometric authentication will exceed $14.75 billion by 2022.

In its latest Analyst Report, *Mobile & Wearable Biometric Authentication Market Analysis and Forecasts 2017-2022 (fourth edition[i])* Goode Intelligence also predicts that by 2022 over 1.7 billion devices will have integrated biometric hardware and over 2.1 billion biometric software licenses will be sold.

Alan Goode, author of the report and founder of Goode Intelligence said "The market continues to evolve and the announcement that Apple is replacing Touch ID fingerprint authentication with 3D facial recognition technology for its new flagship model, the iPhone X, is significant.

"3D facial recognition technology uses infrared (IR), neural networks and machine learning to support biometric authentication on a bezel-less OLED display – which so far has proved problematic using a fingerprint sensor.

"When Apple announced Touch ID in 2013 it revolutionised consumer biometric authentication and led to an explosion of fingerprint sensors being integrated in almost all new smartphones. We expect that Face ID is likely to be disruptive and to impact the market – we'll see Android Original Equipment Manufacturers' (OEMs) replicate Apple's move by integrating 3D facial recognition technology into their flagship models – however Fingerprint will continue to play an important role for OEMs both in single and multi-modal strategies."

The report covers the latest developments in this sector and the following trends:
- Impact analysis on Apple Face ID facial recognition including its impact on fingerprint sensor integration
- The emergence of non-security applications for biometrics exemplified by Apple Face ID and its use in Animoji and Augmented Reality (AR) applications
- The emergence of multi-modal biometric authentication
- The importance of liveness and anti-spoof technologies and how this is being integrated
- How new smart mobile device design is affecting hardware biometric sensor design and integration

- The latest mergers and acquisitions (M&A) activity
- Average Selling Price (ASP) for the fingerprint sensor market

The report investigates the adoption of both biometric hardware (biometric sensors and camera components) and biometric software applications including:

Biometric Hardware	Biometric Software
Fingerprint Sensor	Face
Iris Recognition	Voice
Heartrate (ECG)	Eye Vein
Face	Behavioral
	Sensorless Fingerprint

Analysis of all major biometric technologies is included in the report along with a review of active vendors offering these biometric solutions and the companies incorporating them into their authentication platforms. It includes profiles of the following:

Area	Company
Authentication Technology Vendors	Daon
	Encap Security
	HYPR
	Nok Nok Labs
	RSA
	VASCO
	Veridium
Biometric Vendors/Behavioral	BehavioSec
	Biometric Signature ID
	BioCatch
Biometric Vendors/Iris	EyeLock
	Delta ID
	FotoNation
	SRI International / Princeton Identity
Biometric Vendors/Eye Vein	EyeVerify
Biometric Vendors/Face (Hardware & Software)	Applied Recognition
	KeyLemon
	SoftKinetic
Biometric Vendors/Fingerprint Sensor	Fingerprint Cards
	Goodix
	IDEX
	Precise Biometrics
	Qualcomm
	Silead
	Sonavation
	Synaptics
	Vkansee
Biometric Vendors/Sensorless Fingerprint	Diamond Fortress Technologies

	IDair
	Veridium
Biometric Vendors/Heart (ECG)	Nymi
	B-Secur
Biometric Vendors/Voice	Nuance Communications
	VoiceVault
	VoiceTrust

Further information is [available to read](#) about the Mobile and Wearable Biometric Authentication report.

About Goode Intelligence
Goode Intelligence is a leading research, analysis and consulting organisation for the information security industry covering, authentication, identity and biometrics and GRC. For more information about Goode Intelligence please visit www.goodeintelligence.com

For further information contact:

Michelle Welch, Goode Intelligence
Tel: +44 776 672 8622 Email: michelle.welch@goodeintelligence.com

Issued by:
Goode Intelligence
Email: enquiry@goodeintelligence.com; **Web**: www.goodeintelligence.com

---

[i] The first edition was published in 2014.