નિયામક,
અન્ન અને નાગરિક પુરવઠા કચેરી,
ગાંધીનગર

બ્લોક નં-૧૪/૬ઠ્ઠો માળ,
નવા સચિવાલય, ગાંધીનગર.
ફોન નં- ૦૭૯૨૩૨- ૫૪૮૦૪
E-Mail-bc-dfcs@gujarat.gov.in

નં.PDS/L0 device/82/2024   તા.૨૬/૦૬/૨૦૨૪

પ્રતિ

(૧) અન્ન નિયંત્રકશ્રી

અન્ન, નાગરિક પુરવઠા અને નિયંત્રકની કચેરી

બહુમાળી ભવન, લાલ દરવાજા

અમદાવાદ શહેર

(૨) જિલ્લા પુરવઠા અધિકારીશ્રી

જિલ્લા સેવા સદન

કલેક્ટર કચેરી

જિલ્લા:- તમામ

વિષય:- UIDAI, New Delhi ની ગાઈડલાઈન અનુસાર હાલમાં L0 RD ધરાવતી હ્યાત બાયોમેટ્રિક ફિંગરપ્રિન્ટ ડીવાઈસ ના બદલે L1 RD ધોરણો ધરાવતી બાયોમેટ્રિક ફિંગરપ્રિન્ટ ડીવાઈસના ઉપયોગ બાબત.

સંદર્ભ:-(૧) Ministry of Electronics & Information Technology હસ્તકના UIDAI ના તા.૦૨/૦૬/ ૨૦૨૩ ના પત્ર ક્રમાંક:-HQ-13021/1/2021-Auth-1-HQ/2084.

(૨) Ministry of Electronics & Information Technology હસ્તકના UIDAI ના તા.૨૭/૦૧/ ૨૦૨૩ ના પત્ર ક્રમાંક:-HQ-13021/1/2021-Auth-1-HQ

(3) અત્રેની કચેરીનો પત્ર ક્રમાંક:વહય/બાયોમેટ્રીક/ડીવાઇસીસ/05/2023,

તા.02/02/2024.

શ્રીમાન,

ઉક્ત વિગતે ભારત સરકારશ્રીના સંદર્ભદર્શિત પત્ર વંચાણે લેવા વિનંતી છે. અત્રેની કચેરીના સંદર્ભિત પત્રથી વાજબી ભાવના દુકાનદારો દ્વારા ઉપયોગમાં લેવાતા ડીવાઇસીસ બાબતે જરુરી સૂચનાઓ આપવામાં આવેલ છે.

હાલમાં સમગ્ર ગુજરાત રાજ્યમાં આવેલ ૧૭,૦૦૦ જેટલી વાજબી ભાવની દુકાન ખાતે જાહેર વિતરણ વ્યવસ્થા હેઠળ લાભાર્થીઓની ખરાઈ માટે વપરાશ કરવામાં આવતા તમામ બાયોમેટ્રિક ફિંગરપ્રિન્ટ ડીવાઈસ L0 RD ધોરણના છે, જેમાં ચેડા થવાની સંભાવનાને ધ્યાને લઈને UIDAI ની
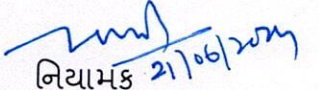
માર્ગદર્શિકા મુજબ તમામ બાયોમેટ્રિક ફિંગરપ્રિન્ટ ડીવાઈસ L1 RD ધોરણમાં અપગ્રેડ અથવા રીપ્લેસ કરવાના રહે છે. UIDAI દ્વારા નિયત કરાયેલ L1 RD ના ઉત્પાદકોની તથા મોડેલની વિગતો UIDAI ના પત્રની નકલ આ સાથે પરિશિષ્ટ-૧ તરીકે ત્વરિત સંદર્ભ માટે સામેલ રાખેલ છે.

સદર બાબતે જણાવવાનું કે, વાજબી ભાવની દુકાન ખાતે વપરાશ કરવામાં આવતા બાયોમેટ્રીક ફિંગરપ્રિન્ટ ડીવાઈસ અત્રેથી એક વખત ખરીદીને પુરી પાડવામાં આવેલ છે. ત્યારબાદ આ ડીવાઈસની જાળવણી તથા UIDAIના NORMS મુજબ અધ્યતન રાખવાની જવાબદારી દુકાનદારની છે. દરેક Bio-metric ટ્રાન્ઝેકશન કરવા બદલ ભારત સરકાર તથા રાજ્ય સરકાર દ્વારા મળી ક્વિન્ટલ દીઠ રૂ. 17/- નું કમિશન દુકાનદારોને આપવામાં આવે છે. આથી UIDAI ની સૂચના મુજબ સદર ડીવાઈઝ અપગ્રેડ કરવા/રીપ્લેશ કરવા અંગેનો ખર્ચ સ્થાનિક વાજબી ભાવના દુકાનના સંચાલકશ્રી દ્વારા કરવાનો રહે છે.

સદર બાબતે વાજબી ભાવના સંચાલકશ્રી દ્વારા વપરાશમાં લેવાતા બાયોમેટ્રિક ફિંગરપ્રિન્ટ ડીવાઈસ ખરેખર L1 RD ધોરણના છે કે કેમ? તેની ખાતરી સ્થાનિક નાયબ મામલતદાર/ઝોનલ અધિકારીશ્રી દ્વારા સ્થાનિક NICની મદદ લઇને કરવાની રહેશે. વધુમાં, દુકાનદારશ્રી દ્વારા ખરીદ કરાયેલ ડીવાઈસને પીડીએસ પોર્ટલ સાથે મેપીંગ કરવાનું રહેશે તેમજ વપરાશ કરવામાં આવતા તમામ ડીવાઇસની વિગતો સ્થાનિક તાલુકા/ઝોનલ કચેરી ખાતે રજીસ્ટરમાં નોંધવાની રહેશે.

ઉક્ત વિગતે અન્ન નિયંત્રકશ્રી/જીલ્લા પુરવઠા અધિકારીશ્રીઓ દ્વારા સંબંધિત જીલ્લા/તાલુકા/ઝોનલ કચેરીઓ તેમજ તમામ વાજબી ભાવની દુકાન ખાતે તા.30/06/૨૦૨૪ બાદ એક પણ L0 RD ધોરણો ધરાવતી બાયોમેટ્રિક ફિંગરપ્રિન્ટ ડીવાઈસ ઉપયોગમાં ન રહે તેની ખરાઈ કરવાની રહેશે તેમજ તે મતલબનું કચેરીના વડાની સહી સાથેનું પ્રમાણપત્ર અચૂકપણે મોકલી આપવાનું રહેશે.

બિડાણ:- ઉપર મુજબ

નિયામક 21/06/2024

અન્ન અને નાગરિક પુરવઠા,
ગાંધીનગર

નકલ સવિનય રવાના:-

(૧) રહસ્ય સચિવશ્રી, અગ્રસચિવશ્રી, અન્ન, ના.પુ અને ગ્રા.બા વિભાગ, નવા સચિવાલય, ગાંધીનગર તરફ વિદિત થવા વિનંતી સહ.

(૨) મેનેજિંગ ડિરેક્ટરશ્રી, ગુજરાત રાજ્ય નાગરિક પુરવઠા નિગમ લિમીટેડ, ગાંધીનગર તરફ જાણ તથા જરૂરી કાર્યવાહી સારૂ.

(3) મદદનીશ નિયામકશ્રી, (આઇ.ટી.), અન્ન, ના.પુ અને ગ્રા.બા વિભાગ, નવા સચિવાલય, ગાંધીનગર તરફ જાણ સારૂ.

(૪) ICT OFFICER, નિયામક અન્ન અને ના.પુ. કચેરી, ગાંધીનગર તરફ જાણ તથા જરૂરી કાર્યવાહી સારૂ.

F.No. HQ-13023/1/2020-AUTH-1-HQ/2084
Government of India
Ministry of Electronics & Information Technology
Unique Identification Authority of India (UIDAI)
Authentication Division

UIDAI Headquarters, Third Floor,
Bangla Sahib Road, Behind Kali Mandir,
Gole Market, New Delhi – 110001
Date: 02.06.2023

To,

Mr. N.H. Gadhavi,
Deputy Secretary (IT)
Department of Science and Technology,
Govt. of Gujarat
Block No. 7, 5th Floor, New Sachivalaya,
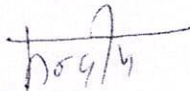Gandhinagar, Gujarat – 382010

Sub: Phase out of existing L0 Registered Devices from Aadhaar authentication ecosystem.

Dear Partners,

Please refer UIDAI letter no HQ-13023-1-2021-Auth-1 HQ dated 27.01.2023, wherein as per Para 3(C), wherein the timelines are mentioned for removal of Fingerprint L0 Registered devices from Aadhaar Authentication Ecosystem in phase manner.

2. Your attention is invited to the Aadhaar (Authentication and Offline Verification) Regulations 2021, Regulation no. 14(d) requesting entity is required to employ only those devices, equipment or software, which are duly registered with or approved or certified by the authority or agency specified by the authority for this purpose as necessary, and are in accordance with the standards and specifications laid down by the authority.

3. As per Aadhaar (Authentication and Offline Verification) Regulations 2021, Regulation no. 14(n) requesting entity shall, at all times, comply with any contractual terms and all rules, regulations, policies, manuals, procedures, specifications, standards, and directions issued by the Authority, for the purposes of using the authentication facilities provided by the Authority.

4. AUAs/KUAs vide UIDAI letter dated 27.01.2023 were requested to forward a self declaration that no L0 Registered Devices deployed are of before 31.12.2014 by 31.03.2023. In this regard, UIDAI has given several reminders for the phase out the L0 Registered devices. As per timeline mentioned, however UIDAI has not received reply from the Department of Science and Technology, Govt. of Gujarat.

5. Therefore, you would appreciate that such devices can not be allowed to continue in the ecosystem on the account of safety and security of Aadhaar authentication transactions and needs to be phased out. It is once again requested to submit the self declaration and help towards making the Aadhaar authentication ecosystem safe and secure.

Dr. Mandeep Singh Lamba
Deputy Director (Auth-I)

Enclosed: Format of self declaration

F. No. HQ-13021/1/2021-Auth-I HQ
Government of India
Ministry of Electronics & Information Technology
Unique Identification Authority of India (UIDAI)
Authentication and Verification Division

Third Floor, UIDAI Headquarters,
Bangla Sahib Road, Behind Kali Mandir,
Gole Market, New Delhi – 110001
Date: 27.01.2023

To

All AUA/KUAs/ASAs

Sub: Phase out of existing fingerprint L0 Registered Devices from Aadhaar authentication ecosystem.

Dear Partners,

Please refer: (i) UIDAI letter No. HQ-13021/1/2021-Auth-I HQ dated 25.04.2022 and 31.05.2022
(ii) Letter No. HQ-13023/1/2020-Auth-I HQ/2084 dated 20.06.2022 and 23.12.2022
(iii) Letter No. HQ- 13029/1/2021-Auth-I-HQ dated 23.12.2022

In order to enhance the security levels of finger print based authentication transaction, UIDAI takes several security measures from time to time to ensure security of authentication transactions and end to end encryption during the authentication process. In this regard, fingerprint devices being used in Aadhaar authentication ecosystem have been upgraded from the currently used fingerprint L0 RD to the next generation fingerprint L1 RD. First batch of devices have already been certified on 30.10.2022 (website link: https://uidai.gov.in/en/ecosystem/authentication-devices-documents/biometric-devices.html). The key features of fingerprint L1 Registered Devices (RD) were communicated in details vide letters at reference (i) to all authentication ecosystem partners and also during various Central/State government level workshops organised by UIDAI since notification.

2.   Roll out of fingerprint L1 RD

Since at present all fingerprint devices in the authentication ecosystem are of L0 standards, the fingerprint biometric authentication transactions shall for the time being continue both in L0 RD and L1 RD. However, to avoid any disruptions in the system, all the existing deployed fingerprint L0 RD would be phased out of the authentication ecosystem in a gradual manner. To provide sufficient period for this transition, it has been decided that use of all the existing fingerprint L0 RD will be discontinued by 30.06.2024 and thereafter only fingerprint L1 RD will be allowed to perform Aadhaar based authentications. Therefore, all AUA/KUAs may like to procure fingerprint L1 RD for use in their authentication ecosystem.

3. Phase out of fingerprint L0 RD

(a) UIDAI vide letters No. HQ-13023/1/2020-Auth-I HQ/2084 dated 20.06.2022 and 23.12.2002 has issued directions to all AUA/KUAs regarding removal of old and deployed L0 RD. The devices whose STQC certification has not been renewed and on which there were nil or fewer transactions reported have already been hot listed w.e.f 01.01.2023. The devices reporting higher authentication transactions would be hot listed on 31.03.2024.
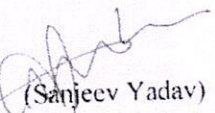
(b) UIDAI vide letter No. HQ- 13029/1/2021-Auth-I-HQ dated 23.12.2022 has also asked all AUA/KUA to identify the L0 registered devices having low authentication success rate (below 30%) or are more than five years old vintage and to remove such devices from the authentication ecosystem in a phased manner.

(c) Timelines for phase out of fingerprint L0 Registered devices are as follows:

Date	Roll out Plan of fingerprint L1 compliant Registered Device	Remarks
31/03/2023	Fingerprint L0 RD deployed before 31.12.2014	AUA/KUA to give self declaration, that no fingerprint L0 RD deployed are of before 31.12.2014
30/06/2023	Fingerprint L0 RD deployed before 31.12.2016	AUA/KUA to give self declaration, that no fingerprint L0 RD deployed are of before 31.12.2016
31/12/2023	Fingerprint L0 RD deployed before 31.12.2019	AUA/KUA to give self declaration, that no fingerprint L0 RD deployed are of before 31.12.2019
30/06/2024	Sunset of fingerprint L0 RD	No authentication transaction will be passed through fingerprint L0 RD

4. As the iris devices are relatively more secure, all the Iris L0 RD will continue to function as present.

5. This issues with the approval of competent authority.

(Sanjeev Yadav)
Director (Auth-1)

Copy for information to:
1. All Secretaries of Government of India Ministries/ Departments
2. All Chief Secretaries of States/UT
3. DG. STQC
4. All DDGs. UIDAI (Head Quarters, Tech Centre, Regional offices)

F. No. HQ-13021/1/2021-AUTH-I HQ
Government of India
Ministry of Electronics & Information Technology
Unique Identification Authority of India (UIDAI)
Authentication Division

UIDAI Headquarters, Third Floor,
Bangla Saheb Road, Behind Kali Mandir,
Gole Market, New Delhi – 110001
Date: 25 .04.2022

To

All AUA/KUAs, ASAs, Biometric Device Vendors in Aadhaar Authentication Ecosystem

Sub: Upgrade of existing L0 Fingerprint Authentication Registered Devices to L1 Compliant Fingerprint Authentication Registered Devices in Aadhaar Authentication Ecosystem.

Dear Partners,

UIDAI is committed towards providing the highest quality of service in an efficient and secured manner. To enhance the security levels, UIDAI has taken several security measures to ensure security of transactions and end to end traceability during the authentication process. To make it more robust and secure, UIDAI along with biometric device vendors, STQC and C-DAC has worked on upgrade from existing L0 compliant Fingerprint Registered Devices to launch of L1 compliant Fingerprint Authentication Registered Devices in the Aadhaar Authentication Ecosystem.
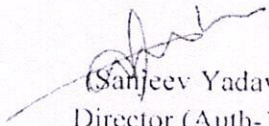
2. The key features of L1 compliant Fingerprint Authentication Registered Devices are:

a) Device security with Level 1 compliance of the signing and encryption of biometric is implemented within the Trusted Execution Environment (TEE) where host OS processes or host OS users do not have any mechanism to obtain the private key or inject biometrics. In this case, management of private keys needs to be fully within the TEE.

1

b) Secure system design in line with the key objectives of the UIDAI RD Service specification (latest version).

c) Implementation of RD Service and Management Client in line with RD Service Specification (latest version).

d) Additional fingerprint liveness check with FIR-FMR Single PID block implementation.

e) A standardized and certified device driver provided by the biometric device vendors. This device driver (exposed via an SDK/Service) encapsulates the biometric capture, any user experience while capture (such as preview), and signing and encryption all within TEE. The device driver must form the encrypted PID block before returning to the host application.

f) The detailed specifications for L1 compliant registered device are available in the document "**Aadhaar Registered Devices – Technical Specification Version 2.0 (Revision 7) January 2022**" (attached as annexure).

g) All the details with regards to Aadhaar Authentication API for L1 compliant registered devices are available in "**Aadhaar authentication API specification - version 2.5 (Revision-1) January-2022**" (attached as annexure).

3. The API specifications are also revised and updated to support L1 registered fingerprint device authentications. AUA/KUA's Authentication applications will also require minor modifications to support the L1 compliant registered device SDK. Document "**Aadhaar authentication API specification - version 2.5 (Revision-1) January-2022**" may be referred for details.

4. The application development teams of all partner entities also need to be sensitized as changes may be required in the application and backend servers to make it compatible with L1 Registered Fingerprint Devices and "Aadhaar Authentication API - version 2.5 (Revision-1) January-2022" and would need to be tested thoroughly.

2

79650/2022/AUTH-I-HQ

5.   A number of device vendors are ready with L1 RD device certification, UIDAI will be launching L1 RD devices shortly. However, L0 RD Fingerprint and IRIS authentication devices will continue to function as same and separate notification will be issued for L0 RD authentication devices.

6.   This issues with the approval of competent authority.

(Sanjeev Yadav)
Director (Auth-1)

Copy for information to:
1. CEO, UIDAI
2. DG, STQC
3. Sh. Rupinder Singh, DDG (Authentication Division, HQ UIDAI)
4. Sh. Anup Kumar, DDG (Tech Centre, UIDAI)

भारत सरकार
इलेक्ट्रॉनिकी एवं सूचना प्रौद्योगिकी मंत्रालय
भारतीय विशिष्ट पहचान प्राधिकरण (यूआईडीएआई)
(अधिप्रमाणन विभाग)

यूआईडीएआई मुख्यालय भवन, तीसरी मंजिल,
बंगला साहेब रोड, काली मंदिर के पीछे,
गोल मार्केट, नई दिल्ली- 110001.

दिनांक:3।.05.2022

To

All AUA/KUAs, ASAs, Biometric Device Vendors in Aadhaar Authentication Ecosystem

Sub: Upgrade of existing L0 Fingerprint Authentication Registered Devices to L1 Compliant Fingerprint Authentication Registered Devices in Aadhaar Authentication Ecosystem.

Dear Partners,

Please refer UIDAI Letter HQ-13021/1/2021-Auth-1 HQ dated 25.04.2022. UIDAI along with biometric device vendors, STQC, and, C-DAC has worked on upgrade from existing L0 compliant Fingerprint Registered Devices to launch of L1 compliant Fingerprint Authentication Registered Devices in the Aadhaar Authentication Ecosystem.

2. The key features of L1 compliant Fingerprint Authentication Registered Devices are:

a) Device security with Level 1 compliance of the signing and encryption of biometric is implemented within the Trusted Execution Environment (TEE) where host OS processes or host OS users do not have any mechanism to obtain the private key or inject biometrics. In this case, management of private keys needs to be fully within the TEE.

b) Secure system design in line with the key objectives of the UIDAI RD Service specification (latest version).

c) Implementation of RD Service and Management Client in line with RD Service Specification (latest version).

d) Additional fingerprint liveness check with FMR-FIR Single PID block implementation. All the L1 registered devices will be rolled out in FMR+FIR Single PID block capture capability only.
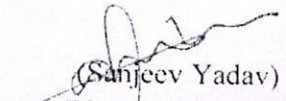
1

e) A standardized and certified device driver provided by the biometric device vendors. This device driver (exposed via an SDK/Service) encapsulates the biometric capture, any user experience while capture (such as preview), and signing and encryption all within TEE. The device driver must form the encrypted PID block before returning to the host application.

f) The detailed specifications for L1 compliant registered device are available in the document "Aadhaar Registered Devices – Technical Specification Version 2.0 (Revision 7) January 2022" (attached as annexure).

g) All the details with regards to Aadhaar Authentication API for L1 compliant registered devices are available in "Aadhaar authentication API specification - version 2.5 (Revision-1) January-2022" (attached as annexure).

3. The use of L0 devices will be discontinued over a period of time and therefore all future procurement of fingerprint authentication devices may preferably be done as per L1 compliant specifications and guidelines.

4. It is hereby clarified that currently authentication shall continue both in L0 and L1 devices, however, all the old & deployed L0 devices (where public device certificates issued by STQC have expired and have not been renewed) need to be phased out of the authentication ecosystem. Directions for old & deployed L0 devices as well as final sunset date of L0 devices are being issued separately.

5. AUA/KUA's will also require modification in their authentication application as well as backend servers to support the L1 compliant registered devices. Therefore, it is suggested that the respective AUA/KUA/ASA's technical teams should be ready for upgrade to the latest L1 registered device specifications. The revised RD and API specifications have already been circulated vide this office letter 11020/198/2017-UIDAI (Auth-1)/1 dt 14.01.2022. The same are attached for ready reference.

This issues with the approval of competent authority.

(Sanjeev Yadav)
Director (Auth-1)

Copy for information to:
1. DG, STQC
2. Sh. Anup Kumar, DDG (Tech Centre, UIDAI)

96185/2022/AUTH-I-HQ

HQ-13054/5/2022-AUTH-I HQ

F. No. HQ-13023.1/2020-AUTH-I HQ/2084

भारत सरकार

इलेक्ट्रॉनिकी एवं सूचना प्रौद्योगिकी मंत्रालय

भारतीय विशिष्ट पहचान प्राधिकरण (यूआईडीएआई)

ऑथेंटिकेशन डिवीज़न

यूआईडीएआई मुख्यालय भवन, तीसरी मंजिल,
बंगला साहेब रोड, काली मंदिर के पीछे,
गोल मार्केट, नई दिल्ली- 110001
दिनांक: 20 .06.2022

To

　　All AUA/KUAs and all Device vendors

Sub: Removal of old and deployed devices from Authentication ecosystem for strengthening authentication security

Dear Partners,

Please refer: (i) UIDAI letter No. 13043/02/2021-Auth-I-HQ dated 31.05.2022

　　Your entity has been appointed as an AUA/KUA by UIDAI for availing the Aadhaar authentication facility for authentication of the residents using the authentication 1.0 devices (Finger Print and Iris) certified by STQC/UIDAI.

2.　UIDAI vide its letter 31.05.2022 has issued an advisory to all authentication ecosystem partners regarding strengthening of biometric authentication security by which AUA/KUAs were inter alia asked to ensure deploying devices supporting the latest OS Specification (Windows 10/Android OS 10 and above).

3.　As per Aadhaar (Authentication and Offline Verification) Regulations- 2021, Regulations no. 14 (d) requesting entity is required to employ only those devices, equipment, or software, which are duly registered with or approved or certified by the authority for this purpose and are in accordance with the standards and specification laid down by the authority. However, it has been noted that some of the AUAs/KUAs have still deployed certain authentication devices whose device certificates issued by STQC have expired and have not been renewed/recertified by the device manufacturer. List of such devices is attached for ready reference.

4.　Therefore, you are requested to identify and phase out such devices in time bound manner and it may be noted that services of such devices thereafter will be stopped from 31.12.2022 and no authentication will be permitted on these devices.

　　This issues with the approval of competent authority.

(Sanjeev Yadav)
Director (Auth-I, HQ UIDAI)

Copy for information to:
1. DG, STQC
2. DDG (Tech Centre, UIDAI)

Government of India

Unique Identification Authority of India

AADHAAR

List of UIDAI Certified Biometric Authentication Old and Deployed L0 Devices (STQC issued Public Device Certificate validity expired)

S. No.	Device Vendor/Manufacturer	Device Model Name	Modality (Fingerprint/Iris)	Device Type	Operating System	PDC Validity
1	M/s Bharat Electronics Ltd.	BEL with MSO CBME2 fingerprint sensor	Fingerprint	POS	i) Embedded ii) Linux	07.02.2022
2	M/s BioEnable Technologies Pvt. Ltd.	eNBoScan-C1(HFDU08)	Fingerprint	Discrete	i) Windows ii) Android	31.05.2017
3	M/s Biomatiques Identification Solutions Pvt. Ltd.	EPi-1000	Iris	Discrete	i) Android ii) Embedded Linux iii) Windows	25.12.2020
4	M/s Datamini Technologies India Ltd.	Datamini TPOS7 with MSO CBME2 fingerprint Sensor	Fingerprint	POS	i) Android	Disincentive has not been paid
5		Datamini TPOS7 with MSO CBME3 fingerprint Sensor	Fingerprint	POS	i) Android	
6		Bizzpos WizarHand Q1(WHQ1) with TCS1S fingerprint sensor	Fingerprint	POS	i) Android	
7		Bizzpos WizarHand Q1(WHQ1) with ES175 iris sensor	Iris	POS	i) Android	

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S. No.	Device Vendor/Manufacturer	Device Model Name	Modality (Fingerprint/Iris)	Device Type	Operating System	PDC Validity
8	M/s Digit Secure India Pvt. Ltd.	Freedom ABB 100 with TCS1S fingerprint sensor	Fingerprint	Tablet	i) Android	Disincentive has not been paid
9		Freedom Win-100 with ES175 iris sensor	Iris	Tablet	i) Windows	
10		Freedom Win10-100 with U.are U 4500 UID fingerprint sensor	Fingerprint	Tablet	i) Windows	
11		SOFIA 3G-R with ES175 iris sensor	Iris	Tablet	i) Android	
12	M/s DSK Digital Technologies Pvt. Ltd.	MOBILZ 2P1 with MSO CBME2 fingerprint sensor	Fingerprint	POS	i) Android	07.02.2022
13	M/s Gemalto Digital Securities Pvt. Ltd.	CSD200/ CSD200	Fingerprint	Discrete	i) Android ii) Linux iii) Windows	16.04.2020
14	M/s Innocom Electronics India Pvt. Ltd.	InFocus M425 with Sony Corporation iris sensor	Iris	Mobile	i) Android	
15	M/s Maestros Electronics & Telecommunications Pvt. Ltd.	Script 100M with Sagem Morpho CBME2 fingerprint sensor	Fingerprint	POS	i) Android	Disincentive has not been paid
16		TCRF1S(A3W)/ ET500	Fingerprint	Discrete	i) Android ii) Windows	29.01.2022
17		CSD200	Fingerprint	Discrete	i) Windows	16.04.2020

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S. No.	Device Vendor/Manufacturer	Device Model Name	Modality (Fingerprint/Iris)	Device Type	Operating System	PDC Validity
18	M/s Precision Biometric India Pvt. Ltd.	U are .U 4500	Fingerprint	Discrete	i) Windows	
19		Oxigen TPS 300 with U.are.U 4500 UID Edition Sensor Digital Persona fingerprint sensor	Fingerprint	POS	i) Embedded Linux	29.01.2022
20		PB 300	Fingerprint	Discrete	i) Windows	
21		PB400	Fingerprint	Discrete	i) Android	
22	M/s QCID Technologies Pvt. Ltd.	NB-3023-U-UID	Fingerprint	Discrete	i) Android ii) iOS iii) Windows	27.08.2021
23	M/s Samsung India Electronics Pvt. Ltd.	SM-T116 IR with Samsung Electronics Co. Ltd. iris sensor	Iris	Tablet	i) Android	01.09.2019
24	M/s Syncoyte Innovations Pvt. Ltd.	MCO1A	Fingerprint	Discrete	i) Android ii) Windows	17.05.2021
25	M/s Tatvik Biosystems Pvt. Ltd.	TMF20	Fingerprint	Discrete	i) Android ii) Windows	26.11.2020
26	M/s ZKTeco Biometrics India Pvt. Ltd.	SLK20R	Fingerprint	Discrete	i) Android ii) Windows	13.06.2021

S. No.	Device Vendor/Manufacturer	Device Model Name	Modality (Fingerprint/Iris)	Device Type	Operating System	PDC Validity
27	M/s Aqtronics Technologies Pvt. Ltd.	NB-3023-U-UID	Fingerprint	Discrete	i) Android ii) Windows	27.08.2021
28	M/s NEXT Biometrics Solutions India Pvt. Ltd.	NB-3023-U-UID	Fingerprint	Discrete	i) Android ii) Windows iii) Linux iv) Android Managed	27.08.2021
29		Falcon with MSO CBME 2 Fingerprint sensor	Fingerprint	POS	i) Windows	07.02.2022
30		Leopard with MSO CBME 2 Fingerprint sensor	Fingerprint	POS	i) Android	07.02.2022
31	M/s Evolute Systems Pvt Ltd.	DENTS with MSO CBME 2 Fingerprint sensor	Fingerprint	POS	i) Android ii) iOS	07.02.2022
32		TCRF1S(A3W)/ET500	Fingerprint	Discrete	i) Android ii) Linux iii) Windows	29.01.2022
33		MSC 130C E2	Fingerprint	Discrete	i) Android ii) Windows	07.02.2022
34		CSD 200	Fingerprint	Discrete	i) Windows	16.04.2020
35		Futronic FS88	Fingerprint	Discrete	i) Windows	
36	M/s Integra Micro Systems Pvt Ltd.	U.are.U 4500	Fingerprint	Discrete	i) Android ii) Window iii) Embedded Linux	29.01.2022