RD SERVICE INTEGRATION WITH FACE AUTHENTICATION (WINDOWS & ANDROID)

As per UIDAI specs, we can use FACE authentication using ACPL RD Service for STARTEK FM220U Fingerprint devices.

Following combinations can be used in authentication with FACE authentication,

- 1. FACE + FINGER authentication
- 2. FACE + OTP authentication

Only FACE authentication is not allowed by UIDAI.

If You try to capture only FACE without FINGER or OTP you will receive following error in PID DATA XML,

```
errCode="200" errInfo="Invalid Demo structure. Only Face not allowed!"
```

You can refer following changes to be made to enable FACE authentication in your application.

As per UIDAI specs, there are 'pCount' and 'pType' attributes already defined in 'PidOptions XML'.

To enable FACE capture in RD Service, we must set `pCount` and `pType` attribute as follows,

```
pCount="1"
pType="0"
```

Please find structure of PidOptions XML as follows:

For FACE capture demo in WINDOWS & ANDROID, you can go to following link,

- 1. WINDOWS DEMO: https://youtu.be/8PIL-ap3YXI
- 2. ANDROID DEMO: https://youtu.be/dPvZko9-1GQ
- 3. FACE GESTURE DEMO: https://youtu.be/6Uepe5CUrz4

After capturing you will find PID DATA XML from RD Service in response.

You can find structure of PID DATA XML as follows,

Please make sure to check following detail in case of FACE + FINGER,

Make sure that at least 1 finger must be captured successfully before FACE capture.

You can verify **`fCount`** value in response PID DATA XML, it must be greater than 0.

And `pCount` value must be 1 in response PID DATA XML. Otherwise, you won't be able to authenticate FACE.

You can find Programmer Manuals from following link:

WINDOWS: https://www.acpl.in.net/assets/pdf/ACPL RD WIN PROGRAMMER MANUAL.pdf

ANDROID:

https://www.acpl.in.net/assets/pdf/ACPL%20FM220%20RD%20Document%28FOR%20DEVELOPER%29.pdf