

Analysis HUAWEI contact shield:

Advantages of this kit

- This kit will take responsibility of Key generation.

```
ContactShield.getContactShieldEngine(this).getPeriodicKey();
```

- This kit will take responsibility of broadcasting and scanning.

```
ContactShield.getContactShieldEngine(this).startContactShield(pendingIntent,  
ContactShieldSetting.DEFAULT)
```

- This kit will take responsibility of contact verification

```
ContactShield.getContactShieldEngine(this).putSharedKey(periodicKeys);
```

Problems to be confirmed:

- This kit also has development restriction: "Only developers authorized by governments and strictly assessed by Huawei can use Contact Shield APIs to develop apps."
- Potential problems in [documents](#):
 - Renew frequency of keys conflict
 - DSC key or SDC key typo
 - Why there is a need to broadcast UUID (Used in BLE?)
 - No document about cryptography process.