

4. Should you have any queries relating to the content of this supervisory letter, please contact

Sekian, harap maklum.

Yang benar,



Ketua Unit Pakar Risiko

s.k. Pengarah, Jabatan Penyeliaan Perbankan

Minimum Requirements on Security Controls for Internet and Mobile Banking Services

No.	Security Requirement	Timeline
(a)	Provide transaction details in all Short Messaging Service (SMS) notifications including during generation of Transaction Authentication Code (TAC) or One-Time Password (OTP) (e.g. beneficiary's name as registered under the account, transaction amount, date and time).	3 months
(b)	Require TAC or OTP when registering an account as a "favourite" beneficiary. Require a different TAC or OTP for the first time funds transfer to the "favourite" beneficiary.	3 months
(c)	For new Internet banking customers, the default transfer limit to third parties must not be more than RM5,000 per day.	3 months
	Adopt lower default daily limit for open funds transfers via mobile banking.	,
	Provide capability for customers to change the transaction limit via secured channels (for e.g. online with two-factor authentication or at the branch premises).	
(d)	Implement image or word verification authentication to enable customers to identify the FI's genuine website.	6 months
	The system should require the customer to acknowledge that the image or word is correct before the password box is displayed to the customer.	
(e)	Deploy automated fraud detection system which has the capability to conduct heuristic behavioural analysis.	12 months
(f)	Mobile banking application must run on secured versions of operating systems only and must be able to detect and block application from jail broken and rooted devices.	3 months

(g) FIs using SMS TAC as the second factor authentication (2FA) for Internet banking are required to implement alternative and stronger two-factor authentication (2FA) solutions for funds transfers and bill payment to third party transactions above RM10,000 with the following features:

- Ability to bind the device's unique number to the customer's account if using devices to generate a OTP (e.g. device ID such as IMEI, exchange of digital certificates);
- Ability to bind the transaction details to the OTP generated by the device (e.g. beneficiary account number, amount of transaction);
- Generation of the OTP at the device must be initiated from the customer's device and not from the bank's server; and
- OTP must always be encrypted and not stored anywhere.

However, FIs that have yet to put in place a stronger 2FA may continue using SMS TAC for high value transactions (above RM10,000) for its existing and new customers until the stronger 2FA is implemented.

24 months