1a.Client→PM : Registration Request

2a.PM \rightarrow PAL : Invoke PAL with "Registration Block"

 $2b.PM\rightarrow PAL$: sealedPassList

 $\begin{array}{ll} {\rm 3a.Client} {\leftrightarrow} {\rm PAL} & : {\rm Execute \ Secure \ Tunnel \ Protocol} \\ {\rm 3b.Client} {\to} {\rm PAL} & : {\rm Userid, \ MasPass \ and \ SecPhrase} \end{array}$

4a.PAL : Generate OTP passwords (OTP[list])

 $4b. PAL \hspace{1.5cm} : \hspace{.1cm} PassList = \hspace{.1cm} TPMUnseal(sealedPassList, PCR18)$

4c.PAL : Update PassList with Userid, MasPass and OTP[list]

4d. PAL : sealedPassList=TPMSeal(PassList, PCR18)

 $5a.PAL \rightarrow PM$: OTP Parameters, sealedPassList

 $\begin{array}{ll} \text{6a.PM} {\rightarrow} \text{DB} & : \text{ sealedPassList} \\ \text{7a.PM} {\rightarrow} \text{Client} & : \text{OTP Parameters} \end{array}$

8a. Client : Generate OTP
[list] by using OTP Parameters and SecPhrase