

P-CSCF

S-CSCF

SIP initial-REGISTER request  
received on unprotected port

1. SIP REGISTER  
integrity-protection=no

2. SIP 401 Unauthorized

SIP 401 (Unauthorized) response is sent

SIP second REGISTER request  
received on protected port

3. SIP REGISTER  
integrity-protection=yes

4. SIP 200 OK

SIP 200 (OK) response is sent