

Host(EphID<sub>s</sub>)

BR at src AS

Outgoing Packet  
((ISD-AS)<sub>s</sub>:EphID<sub>s</sub>) → ((ISD-AS)<sub>d</sub>:EphID<sub>d</sub>)

1. Parse the payload to obtain the APNA pkt P.
2.  $(HID_s, \text{ExpTime}) = E_{k_{A_s}}^{-1}(P.\text{EphID}_s)$
3. if  $(\text{ExpTime} \leq \text{currTime})$  **drop & abort**
4. if  $(HID_s \notin \text{host\_info})$  **drop & abort**
5.  $k_{H_s A_s} = \text{host\_info}[HID_s]$
6. if  $(\text{!verifyMAC}(k_{H_s A_s}, P))$  **drop & abort**
7.  $\text{interDomainForward}((ISD - AS)_d, P)$