An SNMP Usage for RELOAD
draft-peng-p2psip-snmp-02
IETF #81

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History

- draft-peng-p2psip-snmp-00: Presented at IETF #79, initial description of SNMP solution
- draft-peng-p2psip-network-management-scenarios-02: Presented at IETF #80, gives the management scenarios description in P2P network
- Feedback from opsawg (Randy Presuhn and David Harrington)

Changes on draft-peng-p2psip-snmp-02

- Security considerations on SNMP association setup
- Other minor changes
  - Use Findreq instead of Appattach in Management Node finding O-Node
  - Change operations to SNMPv3

SNMP security issue

- Key distribution and security model
    1. Shared key based (SNMPv3 USM)
    2. PKI based (Use RELOAD certification)
    3. DTLS based (SNMP over DTLS, RFC 5953)
- Solution 1 is widely supported by network managers, can use RELOAD certifications for key distribution

SNMP shared key distribution
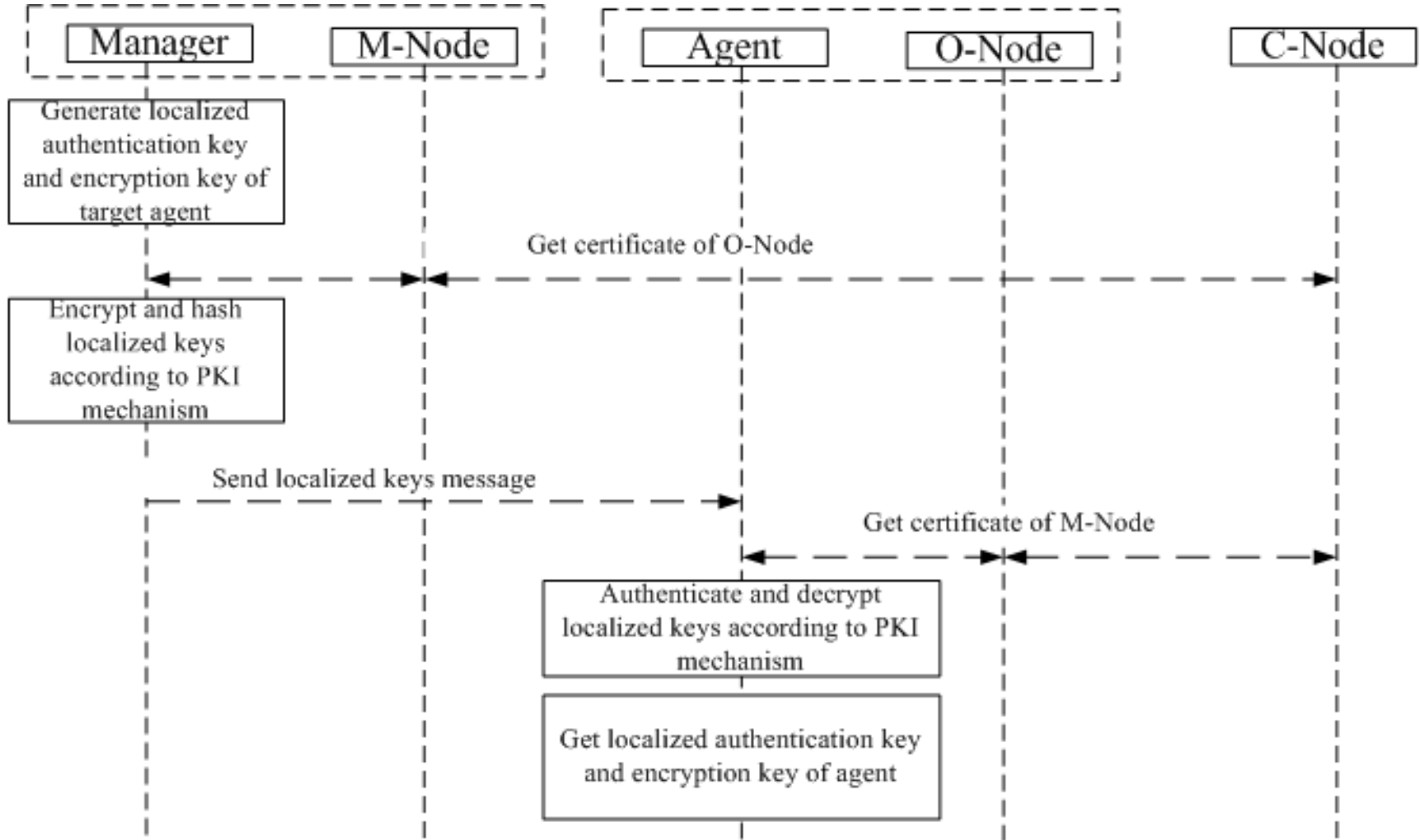
Other issues

- SNMP MIB modules
- SNMP EngineID association
- Consider PROXY-MIB and MIDCOM-MIB
- Potential problems of using SNMP for configuration

Next Steps

- Fix detailed issue on SNMPv3
- Get more comments from SNMP and P2PSIP WG

- Should this draft become a WG draft?

Q&A

Thanks!