An O&M model for KARP

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Goals

- Produce a management and operation model for KARP protocols

- As issues are resolved, questions become advice/requirements

- Long term, model useful to implementers and operators

Major Points

- Discuss configuration information required by KARP

- Relate key tables to the rest of KARP and discuss operational considerations for key tables

- Discuss O&M for KARP authorization

- Discuss operational responsibilities, upgrade and deployment

- Discuss the management of large groups of authorization items

Proposed Requirements

- Integrity and consistency of key table

- Requirements to make combinations of routing protocols secure when used together

- Requirements for deploying new KARP solutions on existing networks

- Requirements for handling equipment failures and new deployments

Authorization and Credentials

- Differences between uses of pre-shared keys

- Asymmetric keys compared to PKI

- Managing trust boundaries

Changes since 00

- Response to multiple reviews
- Discuss peers in significantly greater details and remove IGP/multicast assumptions
- Significant expansion and clarification
- Discuss roles of KDFs

Request WG consider Adoption

The authors believe this draft along with the key table drafts would form a good basis for the management and operations of KARP. We solicit feedback and request that the WG consider adopting these documents.