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.