

Route Construction

draft-rosenberg-sip-route-construct-00

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Problem Motivation

- Implementation and specification confusion on construction of Route headers at UA
- Many sources of Routes
 - Configuration of outbound proxies (possibly more than one)
 - DHCP
 - Service-Route
 - Record-Route
 - 305
- Service-Route very underspecified – we have seen interop issues
- IMS handling of service route fails in other use cases
- Confusion about how to
 - Combine sources of routes
 - Choose where to send request
 - What requests to Route apply to (REGISTER?)

Proposed Algorithms

- 305 Provides a Route
 - Recursing on 305 populates Contact into Route
- UA route set equals
 - Record-route set for mid-dialog requests
 - Service-route set, if defined, for out-of-dialog requests INCLUDING REGISTER
 - Else Default set, if defined, for out-of-dialog requests including REGISTER
 - 305 replaces topmost route for that transaction in ALL cases

Open Issues

- Inter-relationships with sip-outbound
- Backwards compatibility with 305
- Different from IMS – ideally would be folded into R7 as a bug fix

Proposal

- Adopt as WG Item
- Process question: requirements?
 - Proposal: fits into category of “maintenance” of existing specifications