































































| HELSINKI UNIVERSITY OF TECHNOLOGY           |       |                          |                 |            |     |  |  |  |
|---|-------|--------------------------|-----------------|------------|-----|--|--|--|
| Step 1: SIP Lookup for ENUM                 |       |                          |                 |            |     |  |  |  |
| Type         Order         Preference       | Flags | Services                 | regexp          | Replaceme  | ent |  |  |  |
| Example: SIP (and other) entries for a user |       |                          |                 |            |     |  |  |  |
| \$ORIGIN 8.2.0.7.1.0.2.1.2.4.9.4.e164.arpa  |       |                          |                 |            |     |  |  |  |
| IN NAPTR 10 100                             | u     | E2U+sip                  | !^.*\$!sip:jo   | @tzi.org!  |     |  |  |  |
| IN NAPTR 10 101                             | u     | E2U+pres                 | !^.*\$!pres:jo  | @tzi.org!  |     |  |  |  |
| IN NAPTR 10 102                             | u     | E2U+msg                  | !^.*\$!mailto:j | o@tzi.org! | -   |  |  |  |
|   |       | Mapping to a Domain Name |                 |            |     |  |  |  |
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|--|-------|----------|--------|---------------|--|--|--|--|--|
| Step 2: SIP NAPTR for Transport Selection  |       |          |        |               |  |  |  |  |  |
| Type         Order         Preference  | Flags | Services | regexp | Replacement   |  |  |  |  |  |
| <ul> <li>Example: Secure SIP preferred over SIP, TCP over UDP</li> <li>Looking up <sip:jo@tzi.org></sip:jo@tzi.org></li> <li>\$ORIGIN tzi.org</li> </ul> |       |          |        |               |  |  |  |  |  |
| IN NAPTR 50 100  | u     | D2T+SIPS | si     | pstcp.tzi.org |  |  |  |  |  |
| IN NAPTR 90 100  | u     | D2T+SIP  |        | iptcp.tzi.org |  |  |  |  |  |
| IN NAPTR 100 100   | u     | D2U+SIP  | S      | pudp.tzi.org  |  |  |  |  |  |
|  |       |          |        |               |  |  |  |  |  |
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