

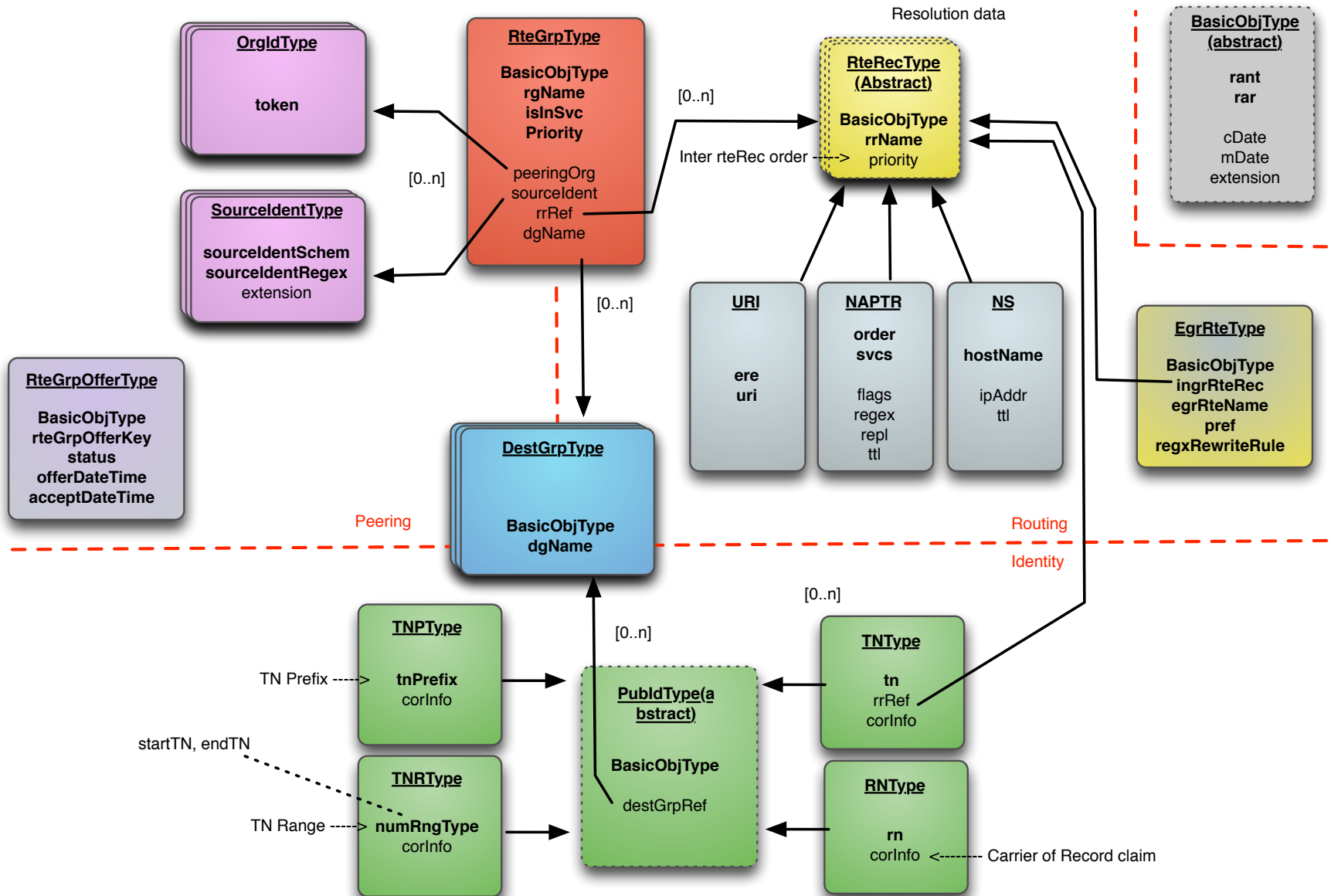
Open Items

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IETF 83

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SPPF Data Model

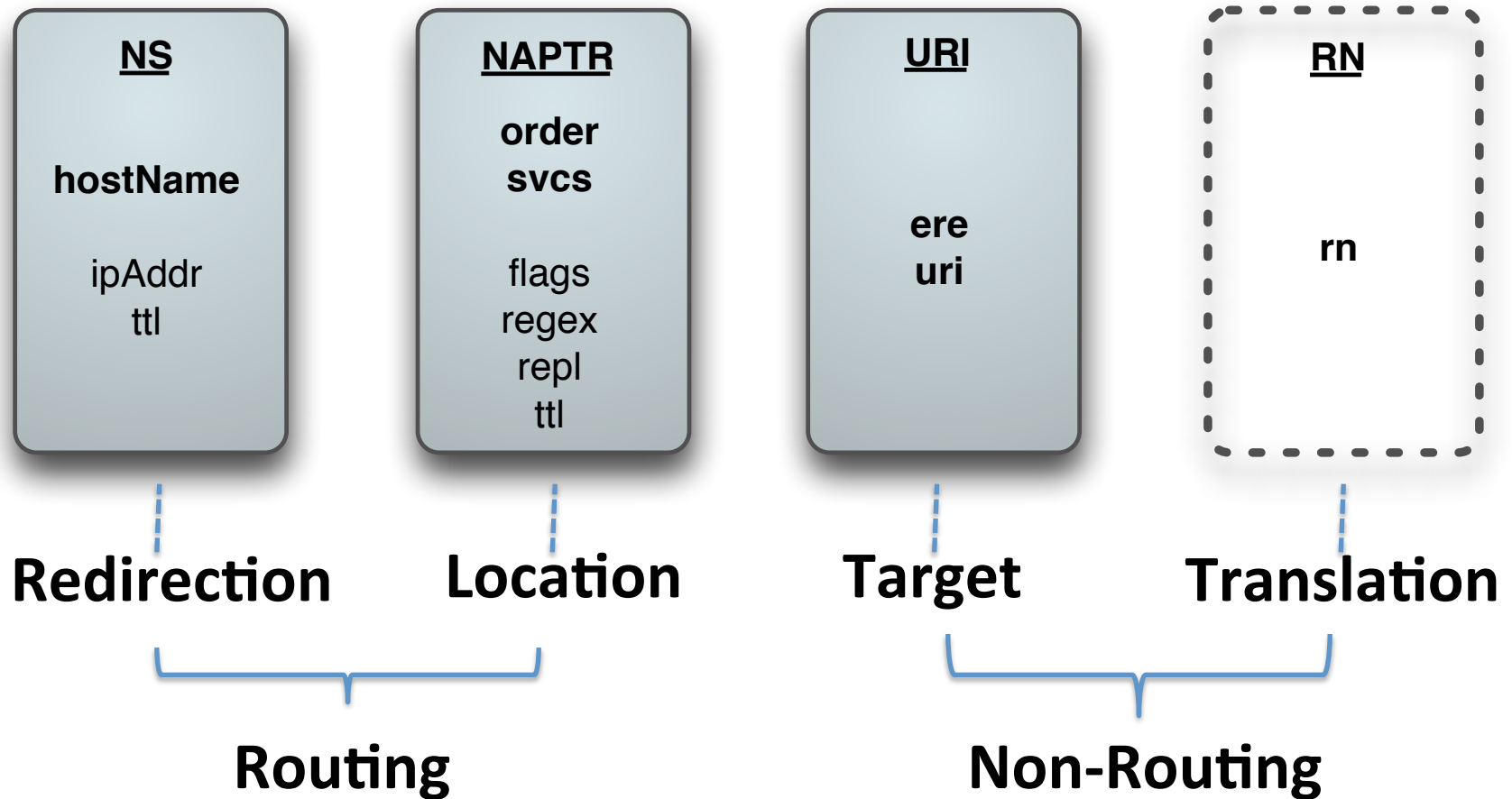


LUF Vs LRF

(RFC 5486)

- The Look-Up Function (LUF) determines for a given request **the target domain** to which the request should be routed.
- The Location Routing Function (LRF) determines for the target domain of a given request **the location of the SF in that domain**, and optionally develops other SED required to route the request to that domain.

Route Record



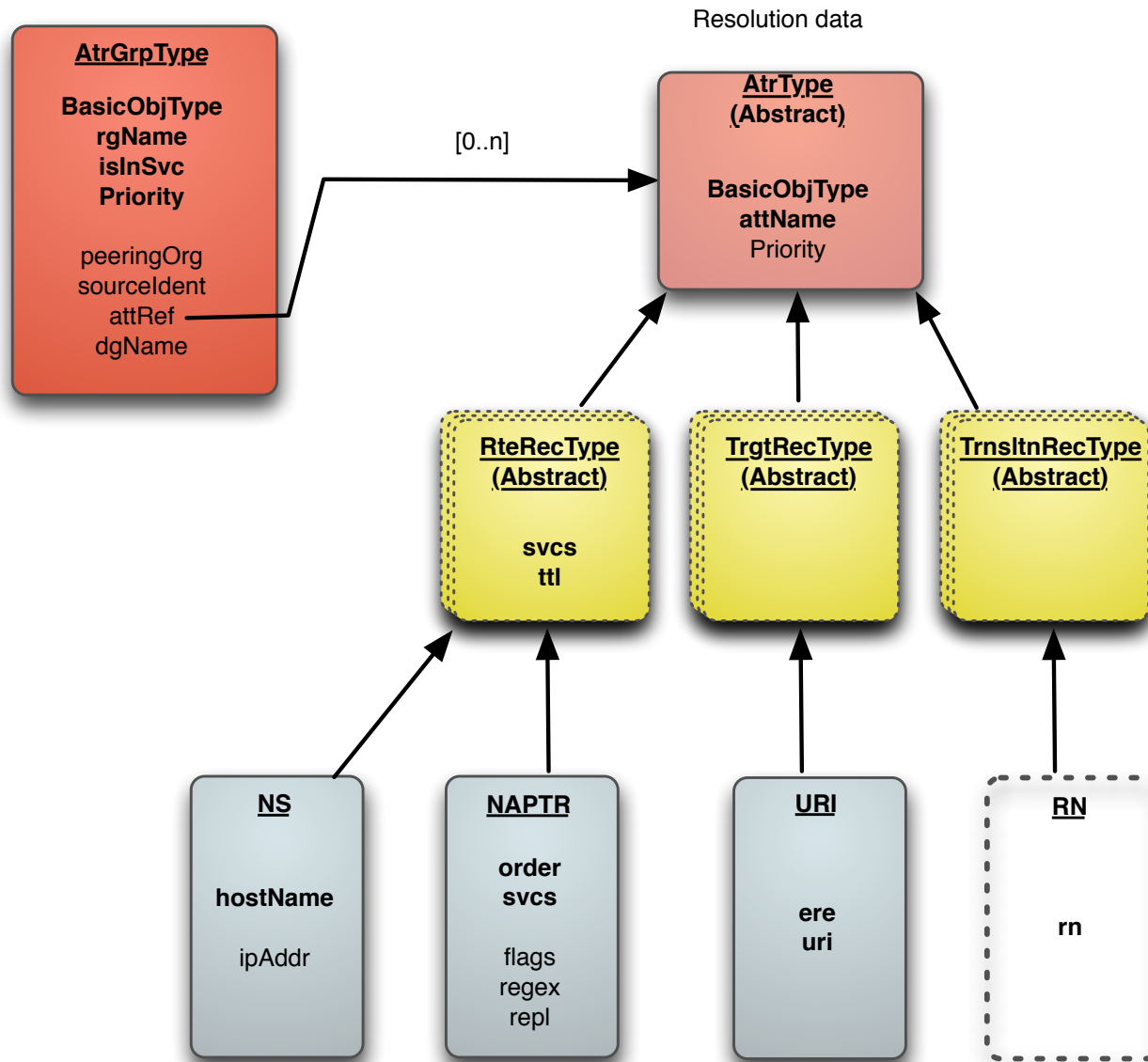
Issue #1: “Everything is a Route”

- Why is RN being returned as “Location” (e.g. NAPTR) information?
- Why is SPID considered a “route”?
 - Domain is valid SPID and can be confused with route
- Why is a “route” the only thing that is shareable?
 - LUF vs. LRF

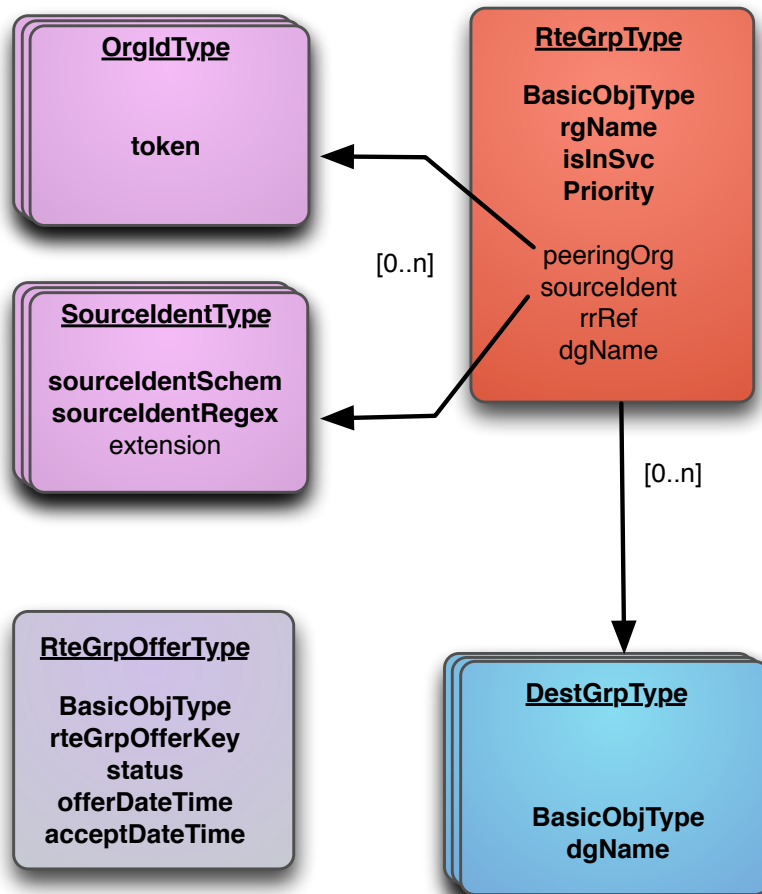
Suggestions...

- Do Nothing
- Change wording on RteGrp
 - Resolution?
 - Attribute (TeRQ)?
 - SED?
- Add “Routing”, “Targeting” abstractions
- Possibly add “Transformation” abstraction
 - Add RN as new concrete object

SPPF Proposed Data Model



Issue #2: “Peering”



- Isn't this just about access control?
- Can we provide descriptive text in the doc for this explaining that its NOT PEERING?

Issue #3: “Other SED information”

- The Location Routing Function (LRF) determines for the target domain of a given request the location of the SF in that domain, and optionally develops **other SED required to route the request to that domain.**
- Egress routes
- Formatting
 - Prefixing
 - Customizing

Route Rule

- Egress Route just special case of peer specific route formatting
- Perhaps a more generic and peer specific type is required?
- Perhaps Peering relationship should be made explicit?

Route Rule

```
<complexType name="RteRuleType">
  <complexContent>
    <extension base="sppfb:BasicObjType">
      <sequence>
        <element name="RteRuleName" type="sppfb:ObjNameType"/>
        <element name="pref" type="unsignedShort"/>
        <element name="regexRewriteRule"
          type="sppfb:RegexParamType"/>
        <element name="rteRec" type="sppfb:ObjKeyType"
          maxOccurs="unbounded"/>
        <element name="peeringOrg" type="sppfb:OrgIdType"
          maxOccurs="unbounded"/>
        <element name="ext" type="sppfb:ExtAnyType"
          minOccurs="0"/>
      </sequence>
    </extension>
  </complexContent>
</complexType>
```