• Simplify, simplify
  – Gradual accumulation of parameters, error codes, pages

• Reduce moving parts necessary to cover the use cases
• Improve predictability from the perspective of the UA
Proxies Asserting Location

INVITE w/ LI1

Proxy

INVITE w/ LI?

(LR)

UA/LG

LI2

LG
Correcting Location

INVITE w/ LI1

UA/LG

424 Bad Location (w/ LI2)

Proxy

LI2

LG

(LR)
Approval

UA/LG

INVITE w/ LI2

Proxy

INVITE w/ LI2

(LR)

LG
If we do this...

- LR doesn’t see PIDF-LO bodies added by the UAC when the proxy asserts location
  - Potentially very confusing
- No need for “used-for-routing” or other mechanisms that differentiate multiple locations
- No need for “inserted-by”?  
  - Remember, this information is in the PIDF-LO, right?  
  - No need for “inserter” in error codes either

- Vastly simpler decisions about processing requests
- Other things to fix
  - Error codes 200/300 can become 503 Retry-After?

- Proposal: Clean all this up