LISP Canonical Address Formats

draft-farinacci-lisp-lcaf-04

Beijing IETF - LISP WG

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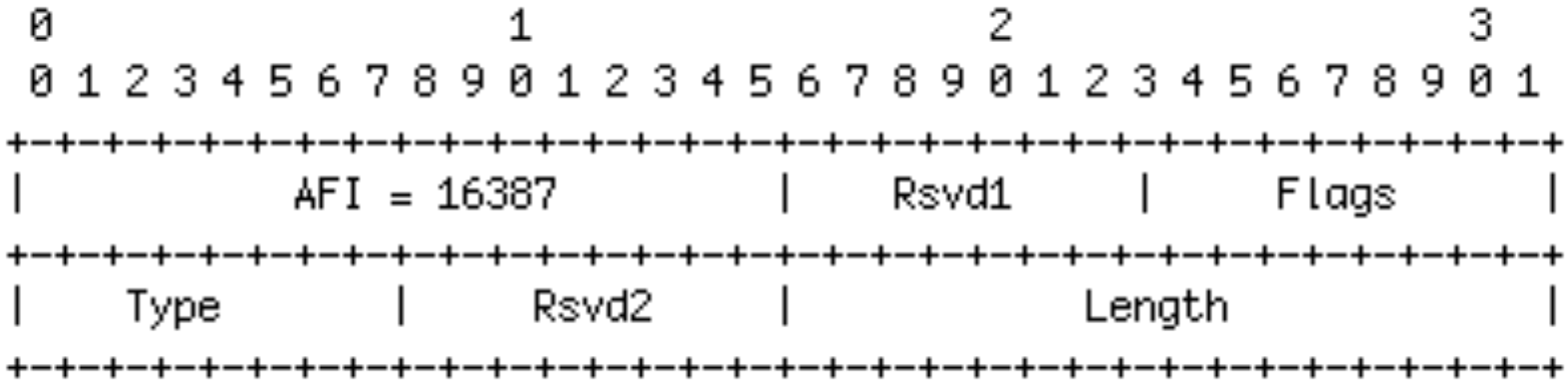
Problem Statement

- Define a format for different EID and RLOC address types
- Requirements
  - No packet format changes
  - Stay with AFI encoding method
  - Allow future address encodings

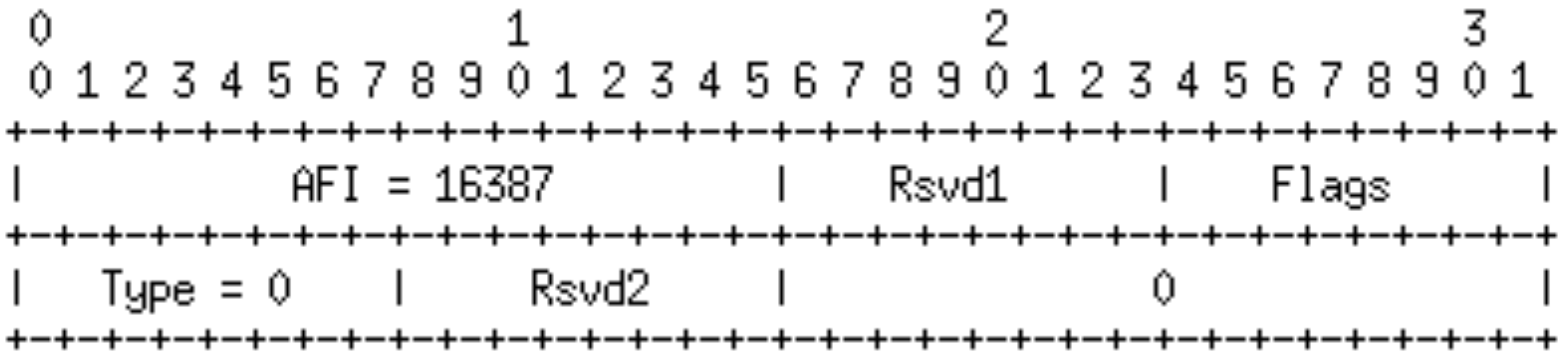
Working Group Status of Draft

- There is some opposition to WG draft adoption
- Chairs and Authors have agreed to:
  - Build IANA Registry for 2 LCAF types
    - Null Body and Instance-ID
  - Rest of LCAF types
    - Document in individual submission draft
    - Experiment with these types

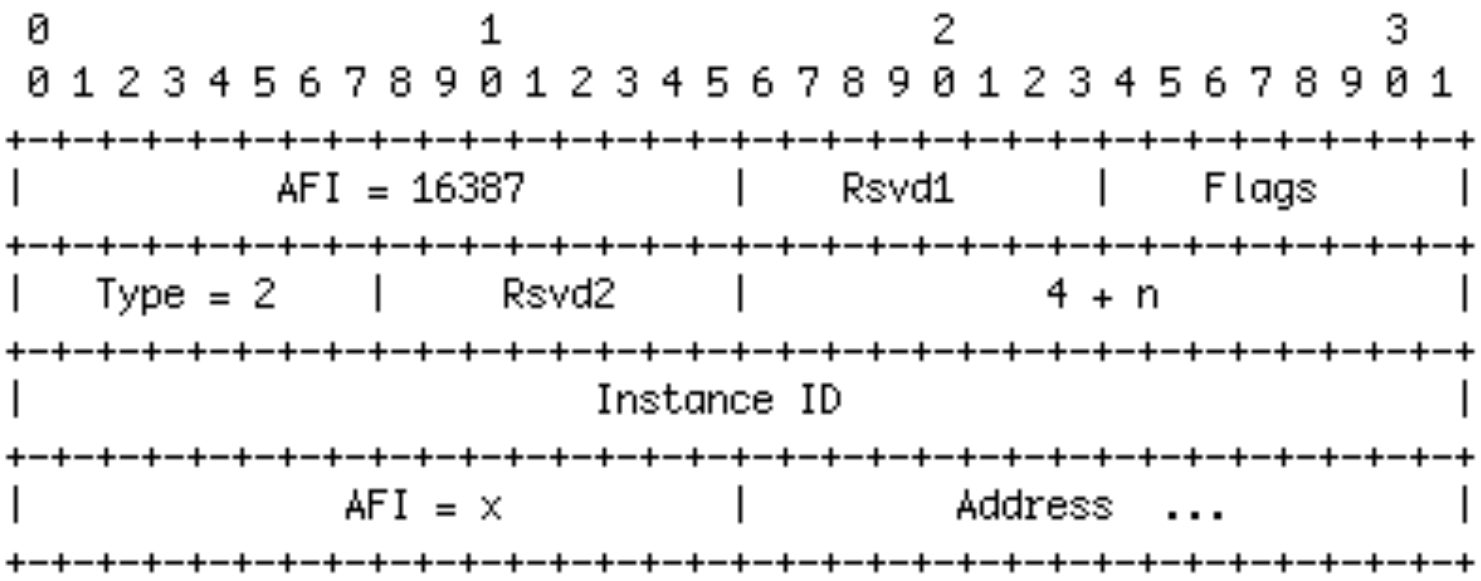
Generic Header



Null Body LCAF Type



Instance-ID LCAF Type



LCAF Types

-00 (old)

Type	Function
0	Null Body Type
1	Instance ID Type
2	AS Number Type
3	AFI List Type
4	Application Data Type

-04 (new)

Type	Function
0	Null Body Type
1	AFI List Type
2	Instance ID Type
3	AS Number Type
4	Application Data Type
5	Geo Coordinates Type
6	Opaque Key Type

Working Group Status

- LCAF enables LISP for new use-cases
- Some of which are not WG charter
- Some of which are WG charter
- Continue working on LCAF draft as an individual submission
- Draft `draft-ietf-lisp-09` has new IANA Considerations section