IANA Registry for LISP Packet Type Allocations & Shared LISP Experiments

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Problem #1

• Several extensions have been proposed to add more LISP functionalities

• New message types are proposed in, e.g.,

• It is expected that additional LISP extensions will be proposed in the future

• The type space is limited

• it is difficult to track current LISP messages types that have been defined so far

• No values are defined for experimental/private use
Proposal #1

• In order to ease the tracking of LISP message types, this document proposes to create a “LISP Packet Types” IANA registry
  – The values in the ranges 5-7 and 9-14 can be assigned via Standards Action
Proposal #2

• Propose to reserve value 15 for Experimental Use
Problem #2

• Conflicts may arise when experimenting new extensions in uncontrolled environments
Proposal #3

• Propose a common format for LISP Experimental Message Type

```
+---------------------------------+---------------------------------+
| Type=15 | Experiment ID | experiment-specific |
+---------------------------------+---------------------------------+
```

• Experiment IDs are used to uniquely identify a given LISP experimental message

• IDs are selected by the authors of a specification

• IDs are assigned on a First Come, First Served (FCFS) basis

• IANA is requested to create a “LISP Experimental Message Experiment Identifiers” registry
What’s Next?

• Comments are welcome
• Consider WG adoption?