## **BGP Flow Specification for SRv6**

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## Background for this draft

- BGP Flow Specification has defined many component types for matching rules
  - IPv4, L2VPN, etc.

- This document proposes flow specifications rules for SRv6
  - Two new component types are defined

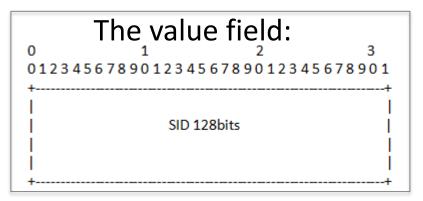
## Type TBD1 - Whole SID

- Encoding: <type (1 octet), length(1 octet), [op, value]+>
- Contains a set of {operator, value} pairs that are used to match the SID/binding SID or a range of whole SID.

```
The operator byte:

0 1 2 3 4 5 6 7

+---+---+---+---+
| e | a | lt | gt | eq | reserve |
+---+---+
```



- e end-of-list bit. Set in the last {op, value} pair in the list.
- **a -** Unset logical OR; Set logical AND.
- It less than; gt greater than; eq equality
- The bits It, gt, and eq can be combined to produce match a certain SID or a range of SID(e.g. less than SID1 and greater than SID2).

### Type TBD2 - Some bits of SID to match

- Encoding: <type (1 octet), length(1 octet), [op, value]+>
- Contains a set of {operator, value} pairs that are used to match the SID/binding SID or a range of whole SID.

# 

**e & a** the same as the last type defined.

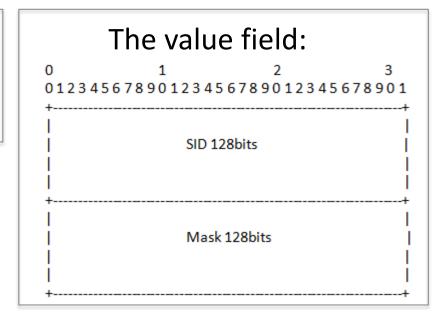
#### type:

0: SID's LOC bits

1: SID's FUNCT bits

2: SID's LOC:FUNCT bits

3: SID's FUNCT: ARGS bits



## **Next Steps**

- Solicit comments
- Revise the draft accordingly

## Discussion