

RFC5575bis

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- Replaces RFC5575 and RFC7674
- Clarifies strict filter ordering as filters being processed by filter-types in ascending numerical order.
 - If a filter does not exist, then it is skipped
- Establishes rules for BGP Flow Specification Actions specified in the Extended Communities

3 Rules for BGP-FS (v1) Actions

- All redirect actions are mutually exclusive. The presence of more than one results in no redirect
- If multiple rate actions are present, these are applied in ascending order of the sub-type.
- Some actions are unique, and may operate independently. (E.g. MPLS push/pop)

Requirements for BGP-FS actions

Each additional flow specification Action must specify:

- Whether it is a redirect or rate action
- Whether the action is unique or if it interferes with other actions,
 - If the action interferes with other actions, the handling must be specified if both (action and interfering action) are associated with a flow specification route
 - If the interference between two actions causes an BGP error conditions, the document must specify the method of handling the error conditions based on RFC7606.