Changes Needed in RSVP v.1 Spec

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- A few more typos
- Policy Data Object not entirely opaque
- IPSEC extensions for IPv4 and IPv6
- Three detailed technical issues

Technical Issue #1

ResvErr message needs PHOP object:

```
<ResvErr Message> ::= <Common Header> [ <INTEGRITY> ]
          <SESSION> <RSVP_HOP> <ERROR_SPEC>
          [ <SCOPE> ] [ <POLICY_DATA> ...]
          <STYLE> <error flow descriptor>
```

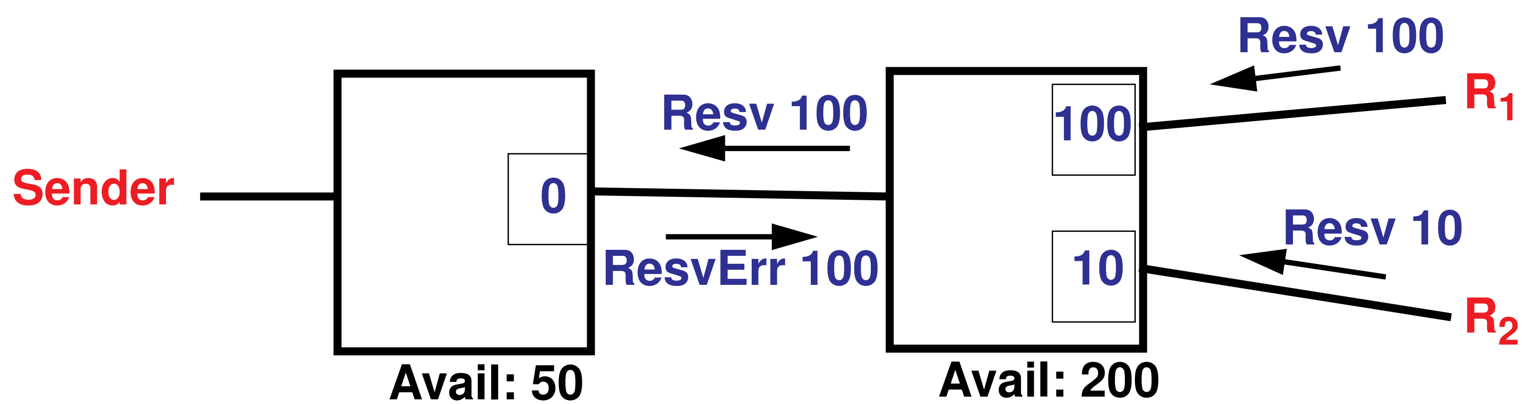
to properly identify blockade state with WF style.

Technical Issue # 2

Blockade state applies to RSBs, not TCSBs

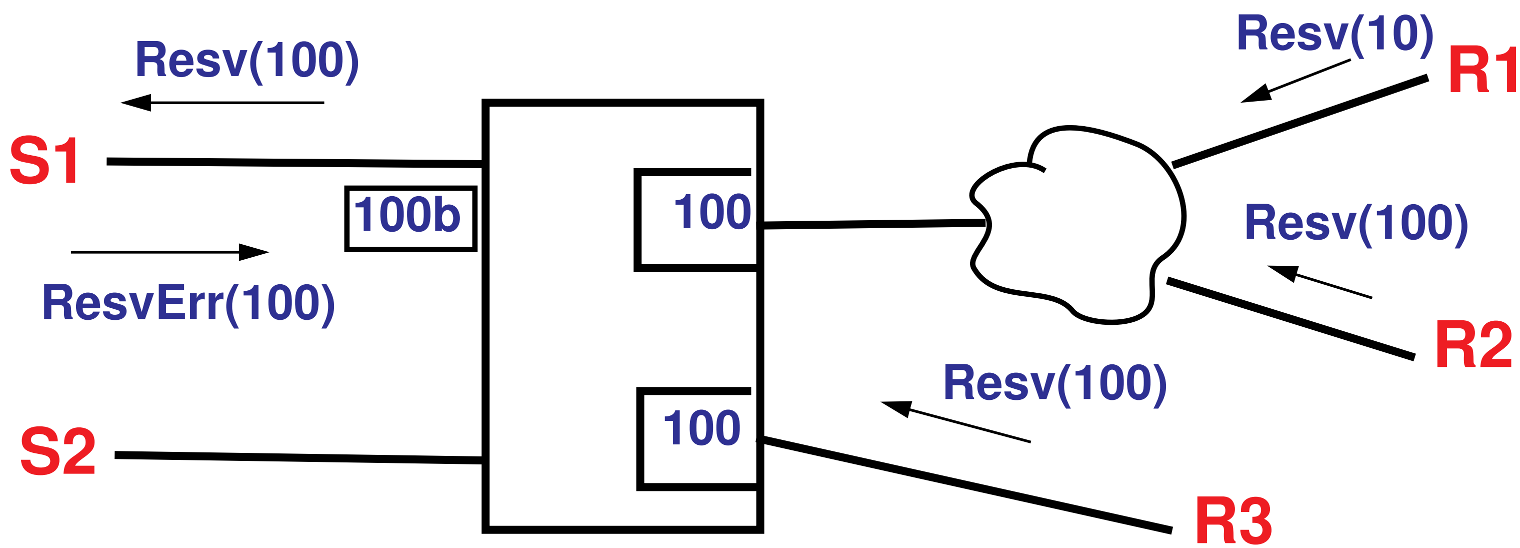
(i.e., reservation requests, not reservations in place)

- **o Heterogeneous receiver requests allows denial of service ("Killer Reservations")**
- **o Added 'blockade state' to solve**



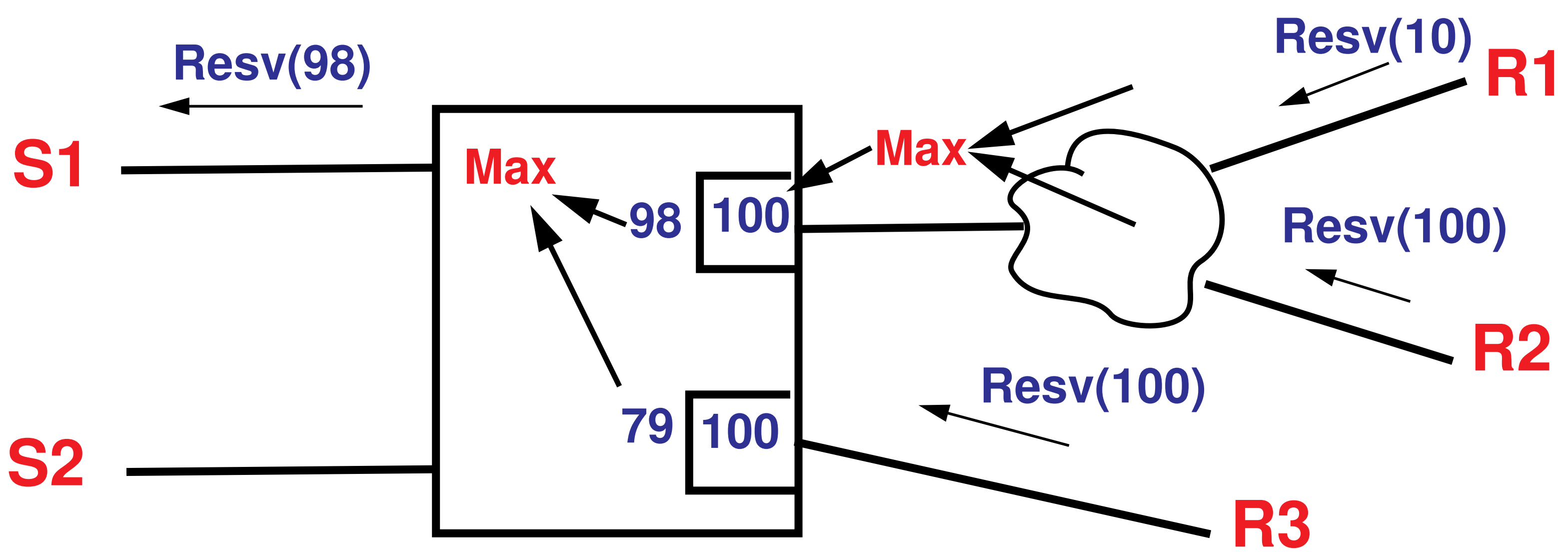
Technical Issue #2...

But current text does not solve this case:



Technical Issue #3

Resv Frefresh: should also be based on RSBs



Technical Issue #3...

Implies: new TC call to update flowspec when generate refresh Resv message:

max over NHOPs

```
Call: TC_FwdFlowspec( Interface, M_Flowspec,
                      M_Tspec ) -> Fwd_Flowspec
```

sum over PHOPs

For reference:

```
Call: TC_AddFlowspec( Interface, TC_Flowspec,
                      TC_Tspec, Police_Flags )
                           -> RHandle
```