<draft-lefaucheur-emergency-rsvp-00.txt>

RSVP Admission Priority Policy Element for Emergency Services

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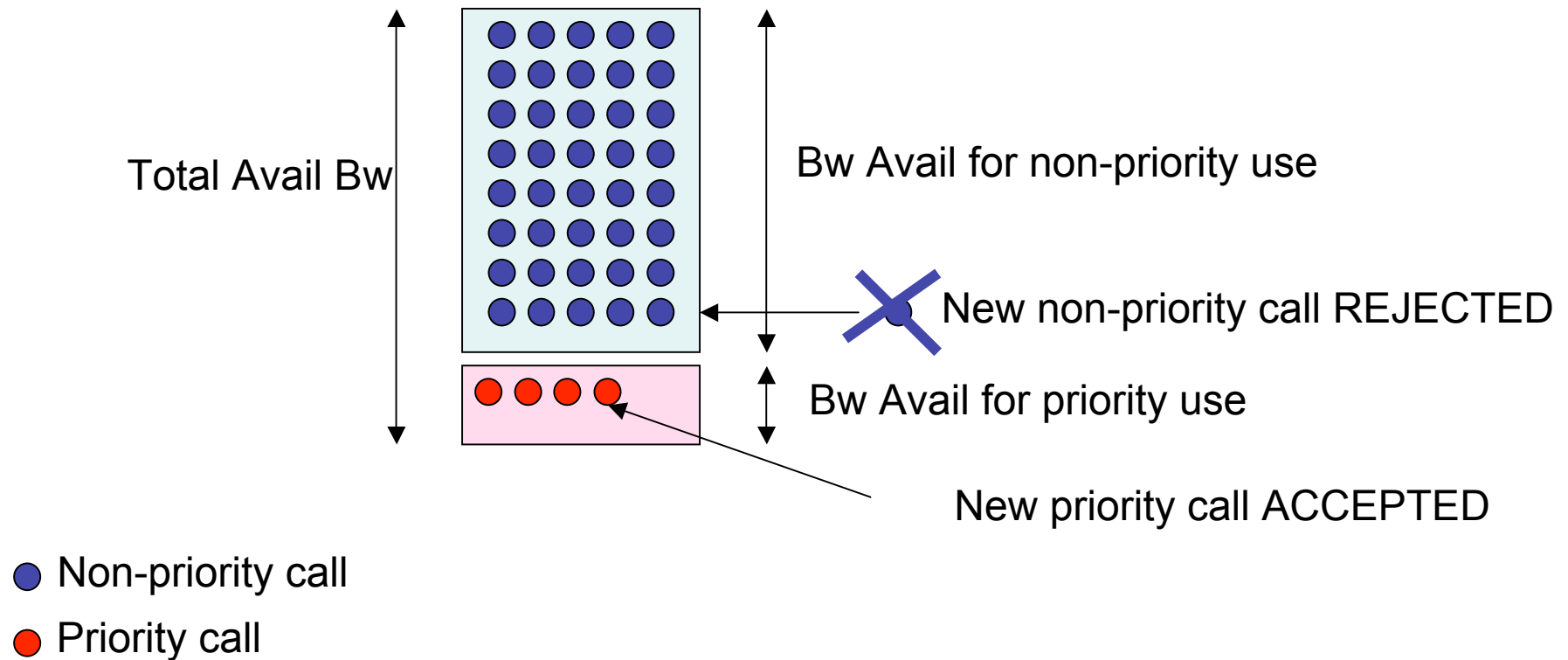*Cisco Systems*

(with impetus & input from An Nguyen, NCS)

Background (1/2)

- Emergency Telecommunications Service (GETS, MLPP,…) key requirement:
  - Guarantee superior probability of Call Completion from an authorized user in times of crisis
- For some services this means network needs to support a preemptive model
- For some services this means network needs to support an "admission priority" whereby some resources are set aside for emergency services only

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Background (2/2)

- draft-ietf-tsvwg-mlpp-that-works "Implementing an Emergency Telecommunications Service for Real Time Services in the Internet Protocol Suite" describes:
  - call admission procedures allowing support of Emergency Telecommunications Service
  - how to use RSVP protocol suite for that purpose (and link with SIP)
  - How to use RSVP Preemption Priority Policy Element to support the preemptive model

- draft-lefaucheur-emergency-rsvp specifies a "Admission Priority Policy Element" to support admission priority
- Similar concept to "<Admission Priority> Parameter (ID=12)" of NSIS QSPEC

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Admission Priority Operations Example

Total Avail Bw

Bw Avail for non-priority use

New non-priority call REJECTED

Bw Avail for priority use

New priority call ACCEPTED

● Non-priority call

● Priority call

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Proposed Extension:
New Policy Element
(inside Policy Data object)

```
+--------------+-------------+-------------+-------------+
| Length (12)                | P-Type = ADMISSION_PRI    |
+--------------+-------------+-------------+-------------+
| Flags        | M. Strategy | Error Code  | Reserved(0) |
+--------------+-------------+-------------+-------------+
| Admission   Priority       | Reserved (0)              |
+----------------------------+---------------------------+
```

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Next Steps

- Get some feedback

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