

draft-polk-tsvwg-rsvp-app-id-vv-profiles-02

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Scope of ID

- Purpose – differentiate what traffic type is in each reservation
- Create registered profiles using RFC 2872 RSVP Application-ID Object for each real-time traffic class defined within RFC 4594

RSVP APP-ID Object Template

The template from RFC 2872 is as follows:

```

      0              1              2              3
+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+
|  PE Length (8)          |  P-type = AUTH_APP          |
+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+
|  Attribute Length      |  A-type =          |  Sub-type =          |
|                          |  POLICY_LOCATOR|  ASCII_DN          |
+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+
| Application policy locator attribute data in X.500 DN format |
|                          (see below)                          |
+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+--+
```

Creates a profile that includes the following pieces of information:

“P-type = , A-type = , Sub-type = , GUID=, APP= , VER= “

Version-02 created a new P-Type unique to this called
“APP-TC” for application traffic class

Profiles Proposed

The Broadcast video Profile

```
APP-TC, POLICY_LOCATOR, ASCII_DN,  
"GUID=http://www.ietf.org/rfc/rfc4594.txt",  
APP=broadcast-video, VER="
```

The Real-time Interactive Profile

```
APP-TC, POLICY_LOCATOR, ASCII_DN,  
"GUID=http://www.ietf.org/rfc/rfc4594.txt",  
APP=realtime-interactive, VER="
```

The Multimedia Conferencing Profile

```
APP-TC, POLICY_LOCATOR, ASCII_DN,  
"GUID=http://www.ietf.org/rfc/rfc4594.txt",  
APP=multimedia-conferencing, VER="
```

Profiles Proposed

The Multimedia Streaming Profile

```
APP-TC, POLICY_LOCATOR, ASCII_DN,  
"GUID=http://www.ietf.org/rfc/rfc4594.txt,  
APP=multimedia-streaming, VER="
```

The Telephony Profile (was “VOIP”)

```
APP-TC, POLICY_LOCATOR, ASCII_DN,  
"GUID=http://www.ietf.org/rfc/rfc4594.txt,  
APP=Telephony, VER="
```

The CAC-Admitted Voice Profile

```
APP-TC, POLICY_LOCATOR, ASCII_DN,  
"GUID=http://www.ietf.org/rfc/rfc5865.txt,  
APP=cac-admitted-voice, VER="
```

Fixed Open issues in this Version

- The “VER=” field will not be dropped
- Made the change to a “GUID=” value
 - i.e., "<http://www.ietf.org/rfc/rfc4594.txt>" instead of "RFC4594"
- Created a new P-type
 - APP-TC = Application Traffic Class)

New Open issues

- MMUSIC WG wants to rename traffic class labels
 - They don't like the 1-to-1 mapping to DSCPs
 - They want clear definitions of what traffic goes into each traffic class
 - This relates to the layer 7 traffic classification between SIP servers (i.e., a new attribute line per media codec)
 - draft-polk-mmusic-traffic-class-for-sdp-01 creates a label hierarchy like:



Next

- Is this interesting enough to consider standardizing?