Token-based GMPLS
Path Authorization and Resource Management by extending RSVP-TE with Tokens

Tokens will allow:
- Separation of complex authorization processes from the actual use of the network.
- Decisions within the network at near real-time, providing access to a pre-provisioned network behavior.
- Binding to many different types of attributes: user, time, resource, etc.
- A Policy Decision to be abstracted from the Policy Enforcement Point (PEP).

Tokens inside RSVP control packets:
- Are carried in a standards based way as a POLICY_DATA object (RFC 2750) and used as an extension to RSVP-TE
- Are bound to a schedule.
- Can be recognized at multiple places.
- Can be counted for accounting.
- Can be forwarded by non token aware, Policy Ignorant Nodes.

Acknowledgement: Chris Tracy (DRAGON Project), John Vollbrecht (Internet2), Ronald van der Pol (SARA), Sumit Naiksatam, Cameron Boehmer, Silvia Figueira (SCU)