

# The Master Plan for TCM-TF

## Introducing the Proposed WG Charter

IETF87

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# Here We Stand

- TCM-TF is not intended to develop new protocols for tunneling, multiplexing or compression
  - L2TP, GRE, MPLS...
  - PPPMux and others...
  - ECRTTP, IPHC, ROHC...
- Define a framework for applying existing protocols to any kind of traffic flows
  - Could obsolete current RFC 4170

# And Off We Go – Core Documents

## 1. A reference model

- Define options at each one of the T, C, M layers
- Address layer interaction issues
- Probably request protocol extensions

## 2. A negotiation protocol

- Setup/release a TCM session
- Negotiation mechanisms for the TCM options
- Leverage current signaling methods

# And Off We Go – Recommendations

- TCM-TF may add some delay and jitter
  - A few potential applications are sensitive to them
- 3. A document will analyze TF characteristics with respect to TCM
  - Make recommendations on what and how apply TCM to
  - Consider traffic classification methods
  - Provide guidance on maximum delay and jitter
  - Address the impact on TCM-ed protocol dynamics

# Going Beyond

- Potential additional deliverables (after prior re-chartering)
  - Discovery mechanisms
  - Securing negotiation and discovery mechanisms
  - Application in specific scenarios requiring additional extensions
    - Wireless and satellite
    - Location-independence and secure encapsulation
    - <YourFavoriteScenarioHere/>
- Interaction with other working groups
  - Those related to the protocols involved
  - Those connected with encapsulation methods