Memorandum

To: CHAIR AND COMMISSIONERS

CTC Meeting: October 19-20, 2016

Reference No.: 4.3
Action

From: SUSAN BRANSEN
Executive Director

Subject: **ROAD CHARGE TECHNICAL ADVISORY COMMITTEE AND PILOT PROGRAM UPDATE**

ISSUE:

In July 2016 staff received notice that California Road Charge Technical Advisory Committee (TAC) member Gautam Hans, who served as a representative of the Data Security and Privacy Industry, resigned. Utilizing the process outlined in statute, the Chair of the California Transportation Commission (Commission), in consultation with the California State Transportation Agency (Transportation Agency) Secretary, has identified Ms. Terry Benzel, as the replacement member to bring forward for appointment. Should the Commission approve Ms. Benzel's appointment to the TAC as a representative of the Data Security and Privacy Industry?

RECOMMENDATION:

Staff recommends the Commission appoint Ms. Terry Benzel, Deputy Director of the Internet and Networked Systems at the University of Southern California, as a member of the TAC to represent the Data Security and Privacy Industry. A short biography of Ms. Benzel is below.

BACKGROUND:

Road Charge

On September 29, 2014 the Governor signed Senate Bill (SB) 1077 (DeSaulnier, Road Usage Charge Pilot Program) mandating the Commission Chair, in consultation with the Transportation Agency Secretary, to create a 15-member TAC to study road usage charge alternatives to the gas tax and to make recommendations on the design of a pilot program.

The TAC, in December 2015, approved a report that contains the key policy and design recommendations the TAC concluded are critical to the implementation of the pilot program, along with the recommended criteria for evaluation of the pilot program. The report was presented to the Transportation Agency who is charged with implementing the pilot program.

The TAC has met several times this year, and will be meeting several times in the coming year to monitor the implementation of the pilot program and to provide input on a number of policy areas that will be addressed when the Transportation Agency reports its findings (July 2017) and the Commission makes its recommendations to the Legislature (December 2017).

The Transportation Agency's report is required to address cost, privacy, jurisdictional issues, feasibility, complexity, acceptance, use of revenues, security and compliance, data collection technology, potential for additional driver services, and implementation issues. The Commission is required to then include its recommendations regarding the pilot program in its annual report to the Legislature.

Ms. Terry Benzel Biography

Ms. Terry Benzel has a Master's Degree in Mathematics from Boston University and an Executive M.B.A from the University of California Los Angeles. She has been at the University of Southern California (USC) since 2003 where she is currently the Deputy Director of the Internet and Networked Systems Division of the USC Information Sciences Institute and a Research Scientist in the USC Marshall School of Business. Her research interests are in the science of cyber security experimentation and next generation distributed experimentation methodologies. She frequently participates in business development, technology transfer and special projects with industrial and academic partners.

Ms. Benzel is the project director of the DETER Project, which stands for cyber DEfense Technology Experimental Research, that evolves experimental network infrastructure and methodologies to support development and demonstration of next-generation information security technologies. These methodologies are focused on techniques that are repeatable, scalable, and verifiable within rigorous testing frameworks for cyber defense applications. Ms. Benzel oversees the development and operations of the testbed facility and is actively engaged in outreach to the research community.

From 1998-2003, Ms. Benzel was Vice President at the Advanced Security Research at Network Associates (McAfee) Labs where she managed and directed all aspects of the computer security research laboratory with $20M per year in research funding and over 100 professionals and staff (30% Ph.D.) who performed research for the United States (US) government, including Defense Advanced Research Projects Agency, US Air Force, US Army, and multiple US intelligence agencies, as well as several major commercial clients. Ms. Benzel has served as an advisor to government and industry on research and development strategy and roadmap development, providing guidance to the National Science Foundation, White House Office of Science Technology and Policy, Critical Infrastructure Assurance Office, Department Of Defense and industry alliances. She has twice testified before the U.S. House Committee on Science.