Setting the Standard in the Cyber Maelstrom: The Cyber Challenge for Public Agencies
Thomas A. Fuhrman, Marsh Risk Consulting

OUTLINE

Overview. The cyber security challenge to California state, county, and city-level agencies is large and multi-faceted: maintaining the security and privacy of the huge volume of identity information and personal data on citizens in the face of relentless cyber attacks; preserving the online availability and integrity of state services; responding to cyber incidents that can have serious effects on business in the state; and guiding and supporting citizens and businesses in securing networks, data, and critical infrastructure.

This session will shed light on the cyber security risks presented to public agencies by sophisticated cyber attackers including organized crime, hacktivists, and state-sponsored and other threat actors. It will examine the cyber security roles and resources at all levels of government—federal, state, tribal, county, and city—and how they are designed to work together in protecting against cyber intrusions and responding to them when they occur. And it will project current trends in cyber security to identify future scenarios and their implications.

I.   **The State <u>OF</u> Cyber Security Today**

    a.   Information value and cyber threats

    b.   The legal landscape in cyber

    c.   The management of cyber risks

II. **The State <u>AND</u> Cyber Security Today**

    a.   Protecting California networks for mission assurance

    b.   Protecting citizen information

    c.   Helping businesses protect their information and cyber resources

    d.   Emergency Management and cyber-related crises

III. **Understanding State and Federal Resources in Cyber Security Risk Management**

    a.   Multi-State Information Sharing and Analysis Center (MS-ISAC), California Cybersecurity Integration Center (Cal-CSIC), Cyber Incident Response Team, California Military Department

    b.   Department of Homeland Security, Department of Defense, FBI, National Institute of Standards and Technology, Intelligence Community, Council of Governors

IV. **Envisioning the Future in Cyber**

    a.   Scenario 1: Cyber incident affecting California agency missions

    b.   Scenario 2: Major cyber incident affecting California businesses and citizens

    c.   Scenario 3: California role in a national cyber emergency