Federation and Information Sharing Emergency Management Cloud Service

TSCP Inc.

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Who are we and What are we trying to Solve?

TSCP Inc.

TSCP is the Transglobal Secure Collaboration Program established 2002, TSCP is a non-profit 501(c)(6) technical association, which relies on Government-Industry Partnership to accomplish:

- Federated Managed Trust through a Trust Framework with all the agreed governance documents e.g. business, technical, legal, privacy.
- Scaleable Trust to the Private Industry Critical Infrastructure market segment.
- Pooling resources to accomplish specification development, validation in a production and operational environments.
- Sharing lessons learned.
- Providing the Cornerstone for secure information sharing.

TSCP Team Members

All Hazards Consortium (AHC), which is a 501(c)(3) non-profit organization focused on homeland security, emergency management, and business continuity issues in the Mid-Atlantic and Northeast regions of the U.S.

Non-Proprietary
Select Information Regarding State Fleet Movement Regulations/Processes (Weight Restrictions, Toll information, ezPass, etc.)

Proprietary Private Sector Critical Resource Information (Open/Closed Status – Fuel, Food, Hotel, Pharmacies)
Problem: Securing Private Sector Data

- Private Sector Information is Sensitive and needs to be Secured
  - Media can misinterpret fleet movement and cause public concern
  - Gangs track fleet movement and can steal copper/supplies from hotel lots where fleets park overnight
  - Others can intervene and cause unnecessary delays and/or commandeer fleets as in Hurricane Katrina
- Need to share Private Sector Fleet Data & Info w/State EMs, DOTs, Police, other agencies at regional/national levels
- Need information from Government for operational decision to expedite power restoration efforts at regional level
- Ultimate solution must:
  - Be trusted, proven and simple
  - Allow state/local government agencies to participate
  - Standards based, scalable and adaptable to each organization
  - Must use Trusted Credentials
  - Must have a Trust Framework Business and Legal Model for all entities to participate
  - Must have strong security controls
Solution: Private Sector Trust Framework

Information Sharing Exchange

Data Providers
- Agriculture & Food
- Banking & Finance
- Chemical Sector
- Dams
- Information Technology
- Energy
- Nuclear Reactors, Materials, and Waste
- Postal and Shipping
- Defense Industrial Base

TSCP Trust Framework
- Data Access Controls
- GIS Layer Access

Information Sharing Exchange Cloud Environment
- “Identity Provider”

Credential Providers
- Commercial Identity Providers
- State Government Identity Providers

Attribute Authorities
- Commercial Providers
- State Government “BAE” Providers

Higher Level Credential
Benefits of Identity Federation under a Trust Framework: For entities that require secure collaboration or seek to have a diverse set of users access data they want to protect, identity federation represents several benefits, which include:

- Reduced Risk.
- Increased Speed to Market.
- Assured Identities for Relying Parties.
- Standards for Third-Party Identity Providers.
- Preemptive Security Solution.
- Privacy Protection.
- Enhanced User Experience.
- Reduced Operational Costs.

Key Milestones:

- Establishing Mutual Scalable Trust for Private Sector Information Sharing
- Published Technical Specifications
- Operational Pilot(s)

<table>
<thead>
<tr>
<th>Task # / Milestone</th>
<th>Task</th>
<th>Timeline</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>EMCS Access Requirements - DP</td>
<td>Month 1 to Month 2</td>
</tr>
<tr>
<td>2</td>
<td>EMCS Access Requirements - DC</td>
<td>Month 1 to Month 2</td>
</tr>
<tr>
<td>3</td>
<td>EMCS Lab - Concept of Operations</td>
<td>Month 1 to Month 2</td>
</tr>
<tr>
<td>4</td>
<td>EMCS Lab - Lab Hosting</td>
<td>Month 1 to Month 2</td>
</tr>
<tr>
<td><strong>Milestone</strong></td>
<td>EMCS Cloud hosting environment on-line</td>
<td>Month 2</td>
</tr>
<tr>
<td>5</td>
<td>EMCS Lab - Identity Service/AXN</td>
<td>Month 2 to Month 3</td>
</tr>
<tr>
<td>6</td>
<td>EMCS Lab - F &amp; D Services</td>
<td>Month 2 to Month 3</td>
</tr>
<tr>
<td>7</td>
<td>EMCS Lab - ABAC Services</td>
<td>Month 2 to Month 3</td>
</tr>
<tr>
<td>8</td>
<td>EMCS Lab - Apps Services</td>
<td>Month 2 to Month 3</td>
</tr>
<tr>
<td>9</td>
<td>EMCS Lab - Integration &amp; Test</td>
<td>Month 2 to Month 3</td>
</tr>
<tr>
<td><strong>Milestone</strong></td>
<td>Fully operational EMCS</td>
<td>Month 3</td>
</tr>
<tr>
<td>10</td>
<td>EMCS Demo</td>
<td>Month 3</td>
</tr>
<tr>
<td>11</td>
<td>EMCS Pilot</td>
<td>Month 3 to Month 4</td>
</tr>
<tr>
<td><strong>Milestone</strong></td>
<td>EMCS Operations successfully demonstrated in Pilot</td>
<td>Month 4</td>
</tr>
<tr>
<td>12</td>
<td>EMCS Trust Framework</td>
<td>Month 3 to Month 5</td>
</tr>
<tr>
<td>13</td>
<td>EMCS Documentation</td>
<td>Month 4 to Month 6</td>
</tr>
<tr>
<td>14</td>
<td>GIS Feasibility Studies - Federation</td>
<td>Month 4 to Month 6</td>
</tr>
<tr>
<td>15</td>
<td>GIS Feasibility Studies - ABAC</td>
<td>Month 4 to Month 6</td>
</tr>
<tr>
<td><strong>Milestone</strong></td>
<td>GIS Feasibility Studies completed</td>
<td>Month 6</td>
</tr>
<tr>
<td>16</td>
<td>Program Management - Start-up</td>
<td>Award to Month 1</td>
</tr>
<tr>
<td>17</td>
<td>Program Management - Reporting</td>
<td>Monthly</td>
</tr>
</tbody>
</table>
Competition, Synergy, and Transition

• **Competition / Synergy:** While open standards support competition, on this project we see more synergy with organizations, such as:
  • Solving a common problem in government initiatives, such as DHS HSIN or Public Safety FirstNet.
    • These initiatives really do not have “Private Sector” focus on information sharing between government and the private sector.
  • Basing Our solution on open standards, which will permit innovation and competition.
  • Leveraging the Aerospace and Defense IT Information Sharing and Federation specifications into the Critical Infrastructure adjacent marketspace is cost effective.
  • Building on the TSCP Trust Framework grant funding brings in the National Strategy for Trusted Identities in Cyberspace (NSTIC) Guiding Principles.

• **Transition from Pilot to Production:**
  • Leveraging existing production specifications and off the shelf COTS solutions, will allow us to transition into Pilot/Operations for the next hurricane season working with AHC and emergency response community.
Questions?

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