

Explosives Prevention Research Challenges

University Network Summit on Research and Education
Washington, DC

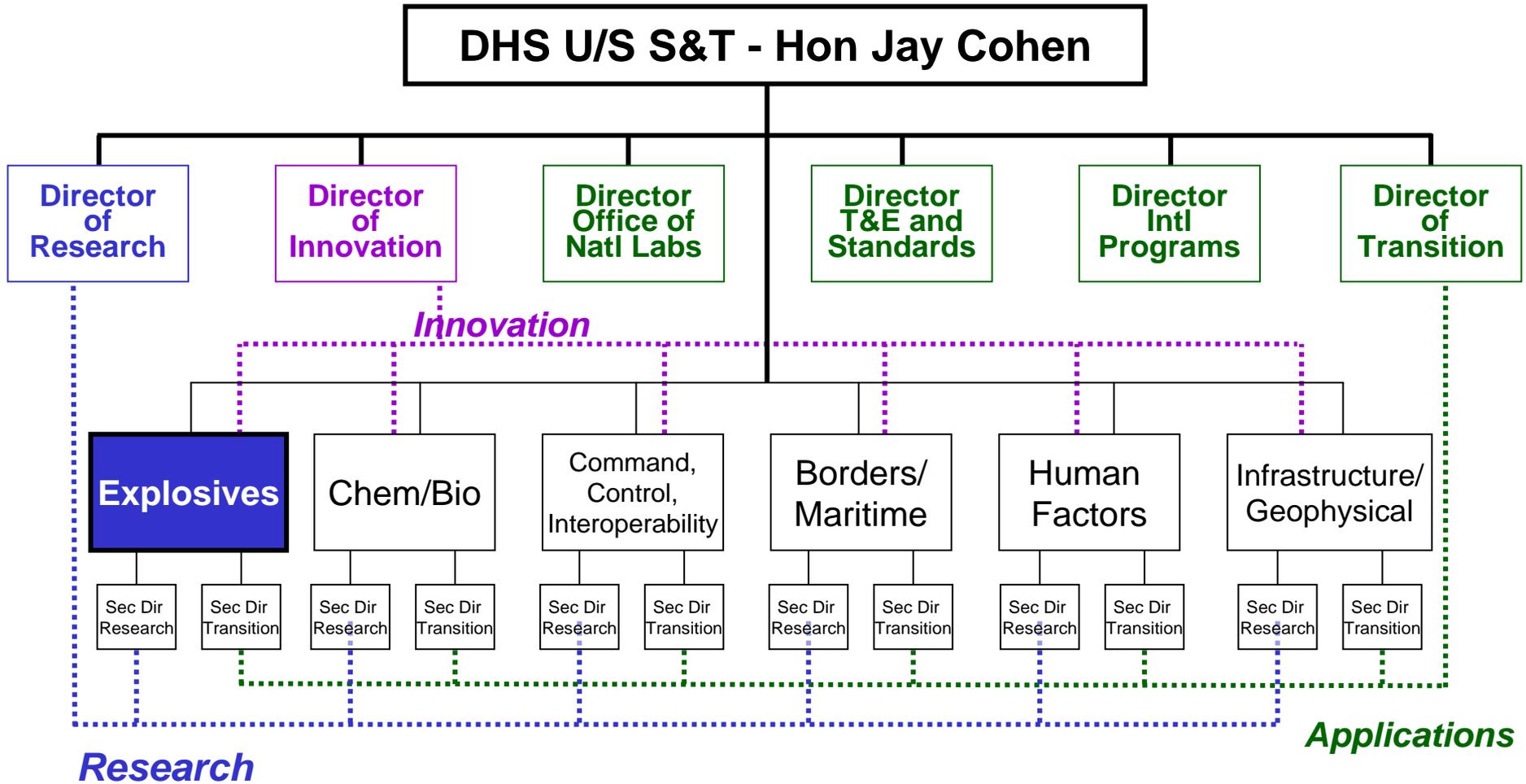
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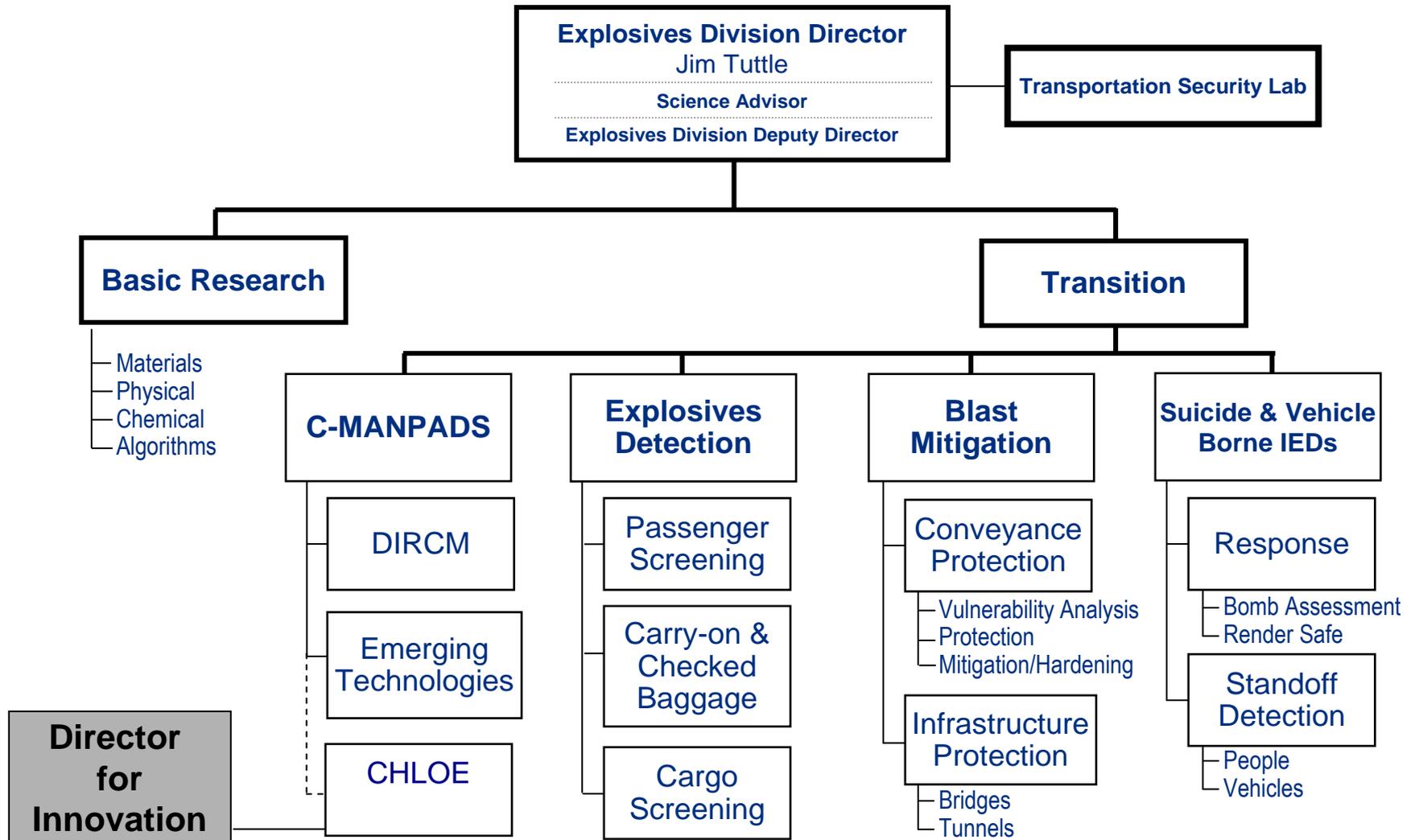


Homeland
Security

Science and Technology



DHS S&T Explosives Division Functions

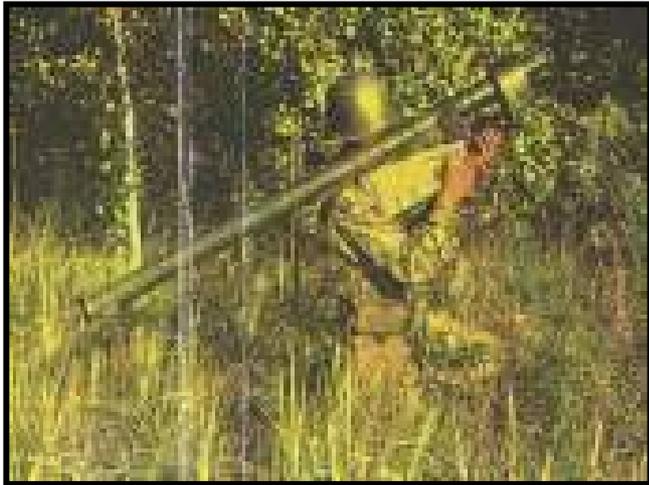


Organized to transition products that meet customer needs

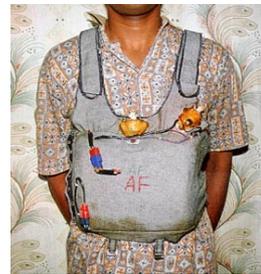
Explosives Division

- **Mission: To research, develop, test, demonstrate and deliver to our customers mature technology to prevent, render safe or mitigate the effects of explosives or other energetic materials used by terrorists against people or physical property.**
 - **Threats –**
 - **Suicide bombers**
 - **Conventional and home made explosives (HME)**
 - **Vehicle borne improvised explosives devices (IED)**
 - **Guided and ballistic missiles**
 - **Others**
 - **Targets –**
 - **VIPs, congregations of people and first responders**
 - **Conveyances - air, land, and sea vehicles**
 - **Infrastructure – bridges, tunnels, ports, terminals, buildings, and others**

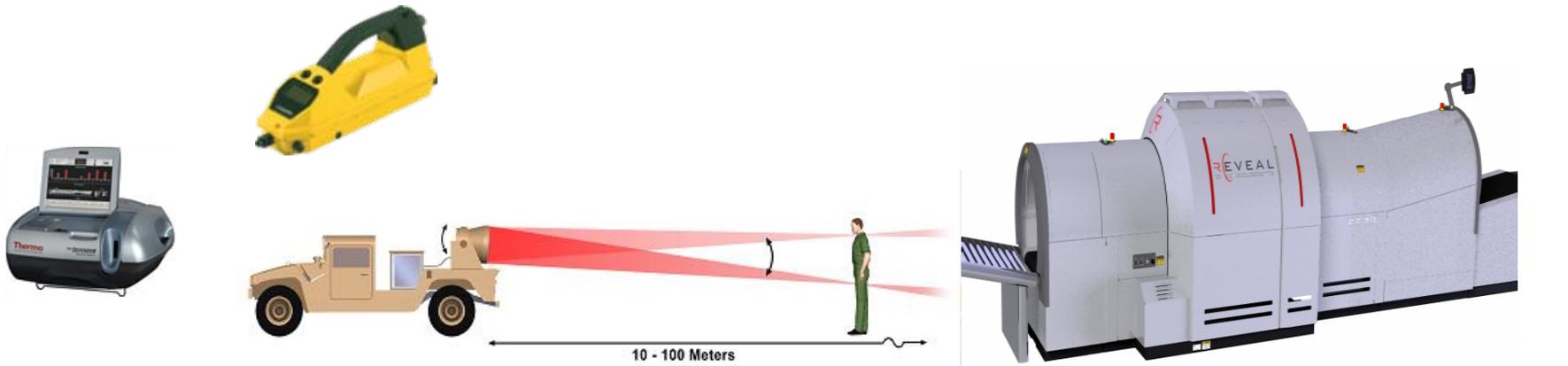
Challenging Threats



Russian SA-18



Explosives Detection & Mitigation





Homeland Security



Homeland
Security