

CBDAIF System Integration Sector

July 21, 2011

CBDAIF—Systems Integration

- What is the Sector? From Wikipedia:
 - In [engineering](#), **system integration** is the bringing together of the component [subsystems](#) into one system and ensuring that the subsystems function together as a system.^[1] In [information technology](#), **systems integration**^[2] is the process of linking together different computing systems and software applications physically or functionally,^[3] to act as a coordinated whole.
 - The [system integrator](#) brings together discrete systems utilizing a variety of techniques such as [computer networking](#), [enterprise application integration](#), [business process management](#) or manual [programming](#).^[4]
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- Unique to the CB Defense Business:
 - There is a unique set of phenomenology skills and highly diverse engineering skills brought to bear for successful systems integration in the CB arena
 - These skills augment the traditional SI skill mix

CBDAIF SI: What does the sector look like?

- 30 people on my distribution list representing 16 companies
 - All the big guys, a few niche players
 - About 7 are serious enough that CB related “stuff” can be readily found on their website, only one of those is in the top tier
- Health of the Sector
 - Declining, “as FRP decisions move to the FY18-20 range it get’s harder and harder to justify”
 - Difficult to find a replacement on this panel
- Perhaps given the shift in CBD budget priorities toward medical CBDAIF needs to add medical representation and lower physical representation

CBDAIF SI: The Questions

- Transformational Medical Questions: No comment, more of a moan
- Contamination Avoidance:
 - Likelihood of sustained IR&D—zero; likelihood of any substantial IR&D declining
 - FRP numbers are too far out and viewed as “at risk” because of the continual right shift of programs
 - Non CBDP—note that DHS S&T suffering severe budget crunch

CBDAIF SI: Questions continued

- JPM Protection—Good questions! Answers not limited to Protection
- Interaction with industry—very important
 - APBI and any interaction with industry where we see POM funding and out-year planning is useful. One-on-ones are important. Draft solicitations are good because they help us help you.
 - Attendance by the PM's at Fort Leonard Wood appreciated
- RFP Responses
 - Recent RFP's are not scaled to the size of the procurement. Seven volume responses for near COTs equipment and Milestone A level programs are way too expensive and hard to justify
- Restart of programs
 - Key concern for the SI Sector given the loss of talent

CBDAIF SI: Questions back to the JPEO

- Can someone please explain biosurveillance?
- Why are programs being stretched to 2018-20 for full rate production for systems that are essentially COTS now?