

Special Operations Forces



Industry Conference

Director Science & Technology
Directorate

SCIENCE & TECHNOLOGY



Guidance / S&T Vision

- Develop a coherent capability-based research and development effort focused on placing new capabilities in the hands of SOF operators

ADM McRaven – 2 Dec 11

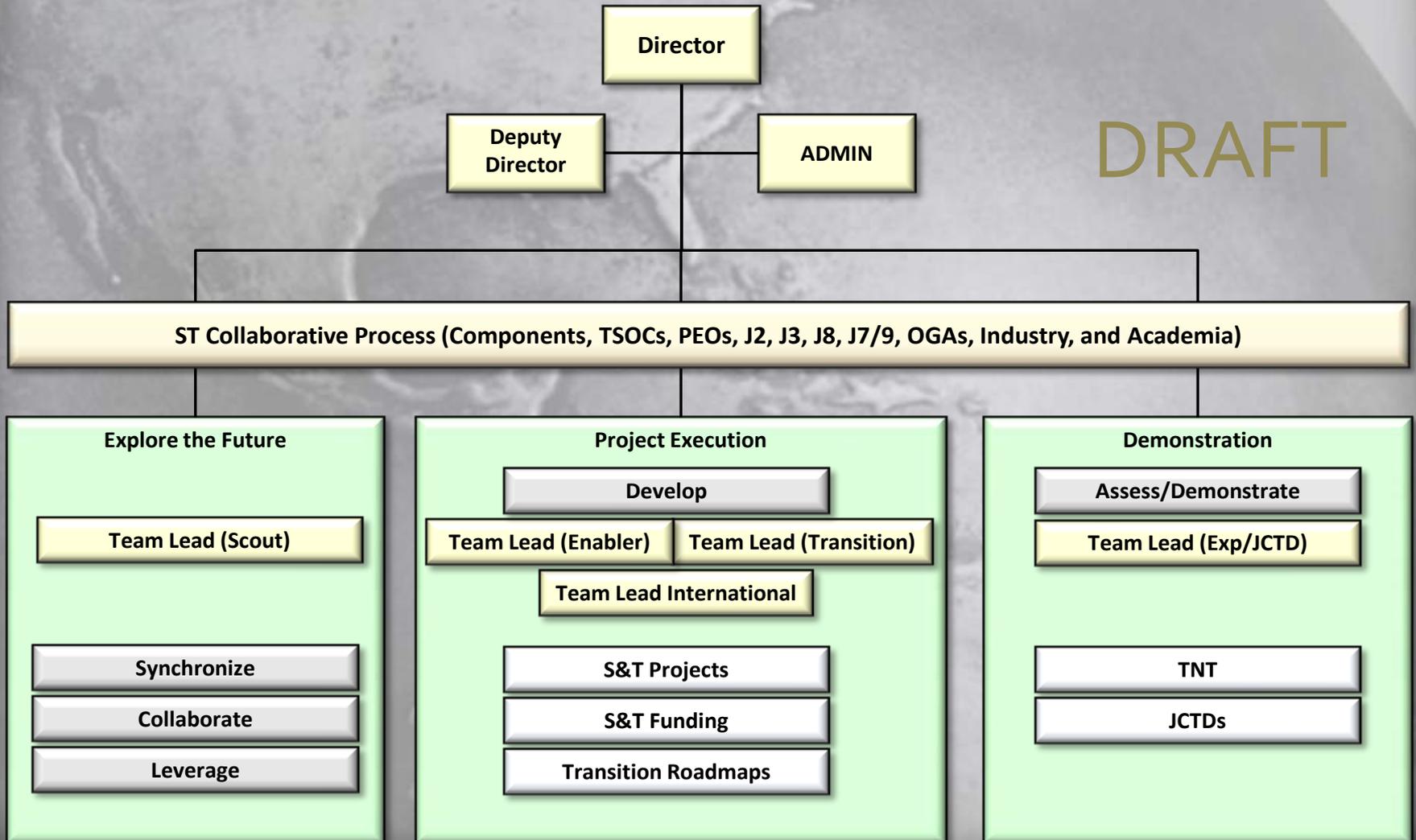
“BE REVOLUTIONARY”

A Special Operations force, empowered with the newest technologies and capabilities, able to operate in any environment, work effectively with partners, and defeat all adversaries

Special Operations Advanced Technology Colaborative (SOATC)

Lines of Operation

DRAFT



Special Operations Advanced Technology Collaborative (SOATC)

- New, collaborative engagement technology development process
 - Aligns SOF capability gaps with technology enablers and developers
 - Focuses ongoing efforts across the S&T enterprise
 - Identifies required innovation

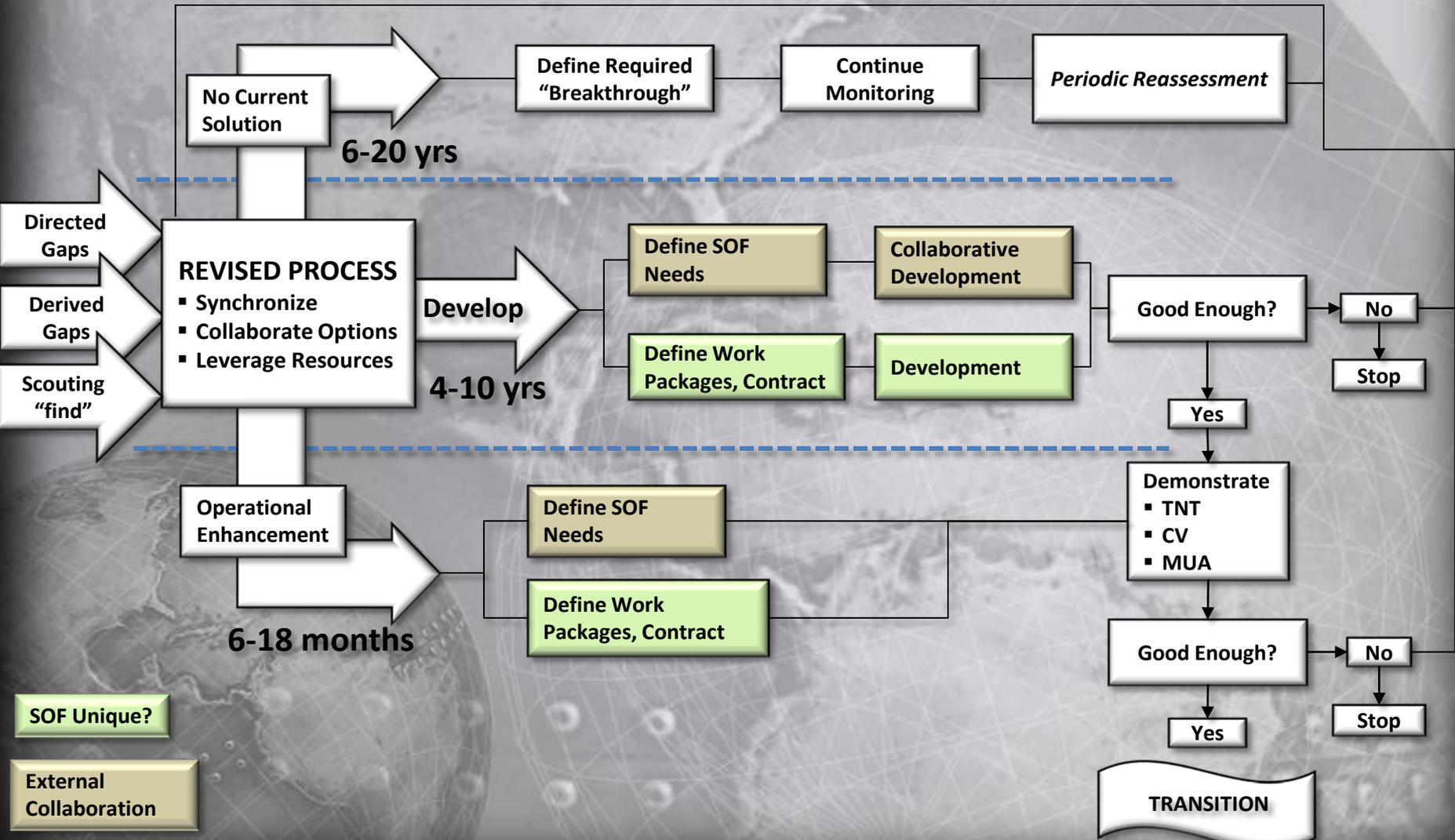
Increased cross-cutting development to efficiently deliver responsive technology into the hands of SOF Warfighters

SCIENCE & TECHNOLOGY





Collaborative Innovation Cell



SCIENCE & TECHNOLOGY



Applied Research (BA2) and Advanced Technology Development (BA3)

- **BA2**
 - TRL 3-5
 - Studies, early lab hardware, software development models
- **BA3**
 - TRL 5-7
 - Prototypes, demonstrations

Acquisition Strategy

Various (competition, IDIQ, CRADA, etc.)
Leverage External Acquisition (Services, Labs, OGA)

Period of Performance

Project dependent: SORDAC-ST is putting increased interest on 'revolutionary' technology development efforts

Milestones

Project dependent

Point of Contact

SORDAC-ST
813-826-9489

Funding

FY12: \$39.646M
FY13: \$30.163M

Current Contract/OEM

Various



S&T Integrated Priority List (STIPL)

- STIPLs focus on SOCOM S&T needs while complementing the Command IPL
- FY14-18 S&T priorities (not in order)
 - Comprehensive signature management
 - Battlespace awareness initiative
 - Electronic warfare
 - Precision engagement with near-zero collateral damage



S&T Projects



Safelock Defeat



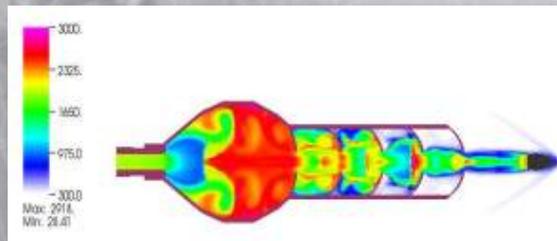
Short Wave Infrared (SWIR) Initiative



Electronic Virtual ID Protect



Mobile Distributed C4ISR Architecture (MDCA)



Optimization of Small Arms Signature Suppression / Enhanced Signature Suppression (OSASSESS)



Low Profile Vehicle Antennas

SCIENCE & TECHNOLOGY



S&T Projects



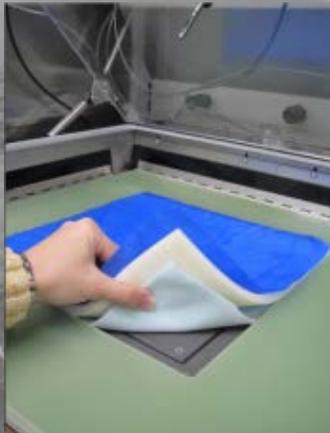
Vehicle Attack



*Remote Common Remotely Operated
Weapon Station (CROWS) II*



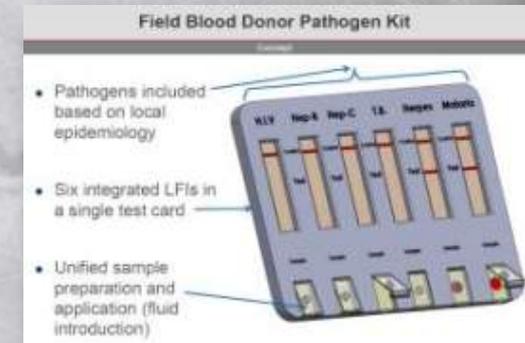
*Improved Surveillance Detection
for Low Visibility Operations*



*Novel Nanomaterials for
Environmental Protection of SOF Divers*



*Tactical Network Testbed (TNT)
Experimentation Events*



*Field Blood Donor
Pathogen Kit*



Questions?

