

# ***Innovation Strategy IPT Process***

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**SMC**



# Purpose

- **The purpose of an Innovation TechPush IPT Process is to**
  - **Provide a focused management process to identify, assess, prioritize and pursue space oriented innovation techpush technologies into development Programs**
  - **Provide an efficient mechanism for SMC, AFSPC, USAF, DOD technology innovation initiatives and priorities**
  - **Provide basis for proposed funding advocacy and acquisition strategies**
  - **Provide a forum to channel technology candidates, recommendations, industry proposals for Command evaluation and decisions**
  - **Maintain a current and prioritized master list of relevant technology proposals, sponsorships, tracking status, maturity and funding**



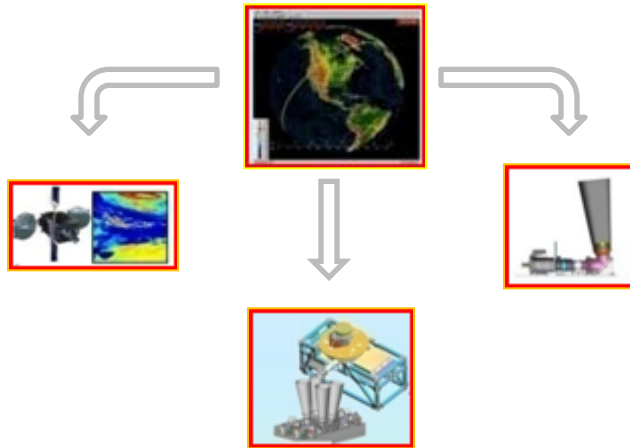
# *Initial CONOPS*

- **The initial several sessions of a contemplated IPT will focus on assembling, summarizing the various initiatives in a standard format and starting the initial prioritized matrix of the candidates**
- **The initial standard for summarizing the various technologies will be a Quad Chart (see sample) to assure focus on key information in a concise and efficient manner and to avoid any creation of any new information repackaging, supported by an Innovation Proposal (see sample outline)**
- **SMC/XR Technology Data Base/Matrix will be initiated and maintained by XR**
  - **Data Base Format, expandable columns as needed, see sample chart**
  - **Updated in Real Time during IPT meetings, as needed**
  - **Continuous, immediate source of basic technology initiative information, including SME, abstracts, funding status, etc.**
- **After initial kickoff IPT meetings, it shall meet at least quarterly to assure:**
  - **Currency of information, technology status, funding, sponsorship**
  - **Process functions as an efficient knowledge management process**
  - **Most importantly, appropriate technology swiftly moves into operational scenarios and avoids resource/continuity loss due to stagnation**





# Quad Chart Sample 2



## Technology and CONOPS Goals and Resulting Payoff

- Tech maturation and risk reduction for space and ground technologies
- Commercially hosted payload prototypes
  - First launch in 2008
- Operational Prototypes in 2013 and 2015
  - Theater Mission Areas
- Integrated Test Bed for Ground Testing
- Emphasis on early ground processing risk reduction

## Program Requirements and Sponsorship:

- ICD in coordination for 2QFY10
- AoA underway
- SBIRS 2002 ORD (benchmark)
- Aligns with AFSPC Roadmap
  - Increase flexibility to rapidly meet evolving threats
  - Implement ground architecture that maximizes data sharing
  - Provide a robust architecture to mitigate a contested environment

## Program Status and Requested Funding:

### Funding Sources:

- Source X: \$##.#M
- Source Y: \$##.#M
- Project X Status
  - Company Payload is nearing completion
    - QM ECM shipped to SDL for cal testing
    - Sensor undergoing perf/thermal testing at SDL
  - Launch change: Late 2012
- Block #: PEO approved tech develop strategy
  - Preparing Ground/Space/SE ASP
  - Company Y upgrade on contract for FY11 delivery

	FY09	FY10	FY11	FY12	FY13	FY14	FY15
\$M							



# *Desired Innovation Proposal Info* 2

- **Title**
- **Proposed Product Description**
- **Technology Link to DoD S&T**
- **Description of the Military Problem**
- **Proposed Funding Strategy**
- **Synopsis of how Research would accelerate**
- **Current and proposed TRL maturation**
- **Warfighter Technology Innovation Strategies**
- **Military Efficiency Improvements--ROI**
- **Successful Exit Criteria**



# SMC/XR Technology Matrix 8

Clicking on the Subject takes you to the Executive Summary

Categorizing the Technology area allows for filtering

Priority #	Subject	Technology Area	CCTD (Y/N)	Funding Type	Originator/Sponsor	XR SME	SME Phone #	Column1
1	<a href="#">ABF Dklss</a>	Environment	Y	AFSPC	AFSPC	<a href="#">Last, First A</a>	153.1234	
2	<a href="#">CDG CIFLD</a>	Computing	Y	XR	XR	<a href="#">Last, First B</a>	153.5178	
3	<a href="#">EFH Test</a>	Navigation	Y	XR		<a href="#">Last, First A</a>	153.0912	
4	<a href="#">GHJ</a>	Environment	Y	UFR	AFSPC	<a href="#">Last, First C</a>	153.2281	
5	<a href="#">IJK Whatever</a>	Navigation	Y	UFR	SMC	<a href="#">Last, First D</a>	153.2125	
6	<a href="#">KLN Iowa</a>	Computing	N	UFR		<a href="#">Last, First E</a>	153.1914	
7	<a href="#">MNQ Monrovia</a>	Navigation	Y	UFR		<a href="#">Smith, John</a>	153.1803	
8	<a href="#">OPR Plant</a>			UFR		<a href="#">Smith, Jane</a>	153.1142	
9	<a href="#">QRV Dkd</a>			JFR		<a href="#">Miller, Tom</a>	153.1481	

Clicking a Y takes you to the most current CCTD.

Clicking on the name opens an email addressed to the SME

Quickly identify which technology gaps are "UFR"

Databases are expandable. As needs arise, fields can be added and resorted.



# Summary

- **Single SMC management focus for new technology and innovation initiatives**
- **Efficient technology tracking and management mechanism and process**
- **Supporting faster implementation of technology**