

Border Area Security Enforcement Vehicle (BASE-V)

System Design Overview

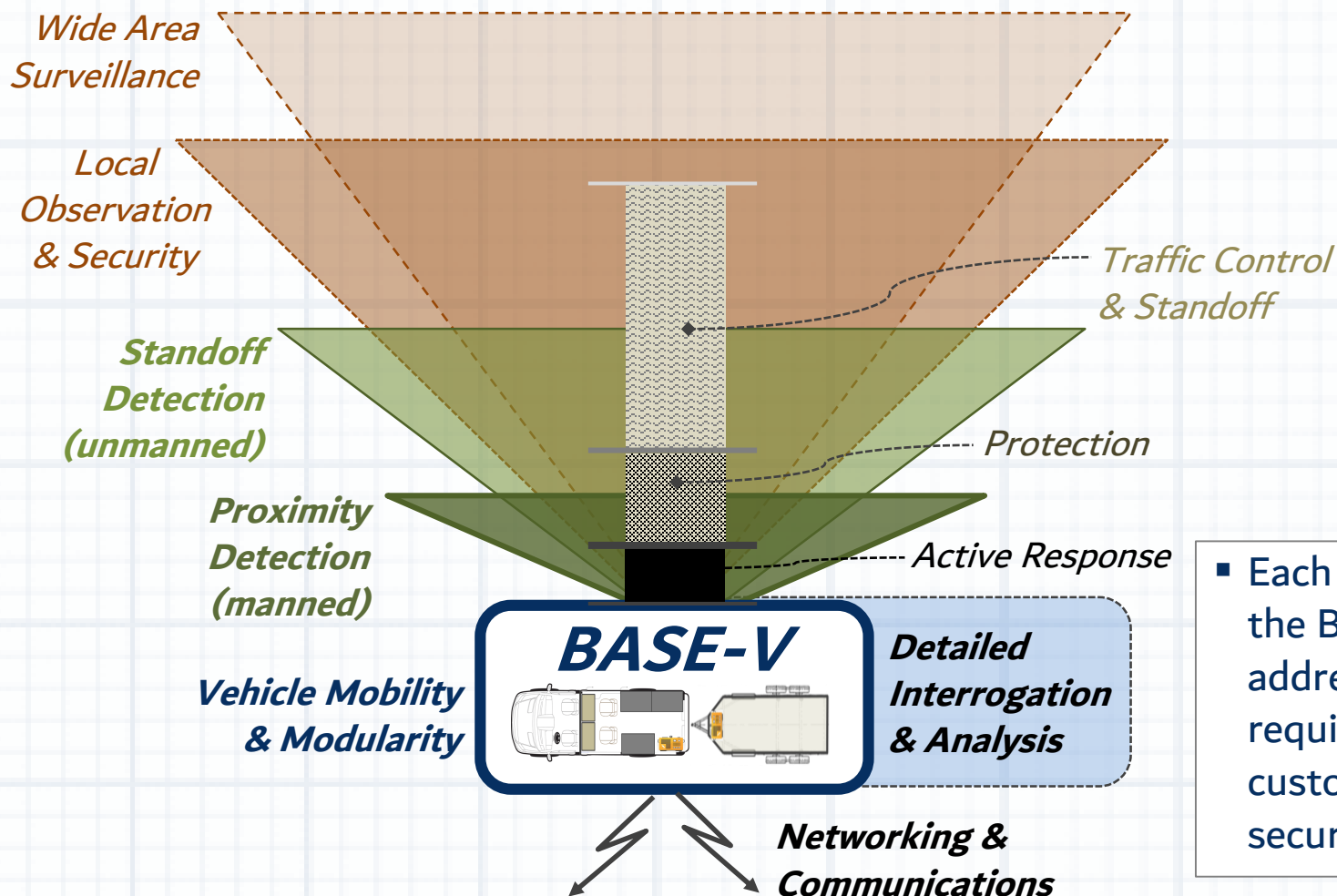


Border Area Security Enforcement Vehicle (BASE-V) system for border & customs security

- **The BASE-V program will provide an advanced capability to enhance border security and customs forces ability to deter potential security threats and criminal activities.**
- **BASE-V will enable border security and customs forces to effectively execute four key tasks:**
 1. **Augment Existing Border Crossing Points:** Conduct additional levels of inspections to supplement existing/established border crossing sites
 2. **Secure Ad Hoc Border Crossing Points:** Establish “snap” or “pop-up” check points at ad-hoc or unauthorized border crossing sites
 3. **Augment Customs And Security Forces:** Provide resources to augment border security, customs and other security forces during high traffic or high-risk periods
 4. **In-Depth Security:** Establish “snap” check points at various locations in the interior of the UAE to validate effectiveness of the established border crossing sites and to create a secondary level of security and deterrence to potential threats and criminal activities

The BASE-V provides scalable capability sets to meet all customs & security operational requirements

Requirement Areas for BASE-V Operations



- Each component of the BASE-V system address one or more requirements area for customs and border security operations

The BASE-V system includes the set of capabilities required to address key operational requirements

	CAPABILITY AREA	VAN 1	VAN 2	VAN 3
CORE CAPABILITIES	DRUG DETECTION	X	X	X
	EXPLOSIVE DETECTION	X	X	X
	VIDEO SCOPE	X	X	
	PASSPORT / IDENTITY DETECTION	X	X	X
	CURRENCY DETECTION	X	X	X
	LUGGAGE X-RAY	X		X
	METAL DETECTION		X	X
	MOBILE / HANDHELD RADIATION DETECTION	X	X	
	X-RAY HUMAN BODY SCAN			X
SUPPORTING CAPABILITIES	ROBOTIC GROUND SYSTEM		X	X
	UNMANNED AERIAL SYSTEM		X	X
	UNATTENDED GROUND SENSORS			X
	LOCAL SECURITY & BARRIER SYSTEMS	X	X	X
	ACTIVE COUNTERMEASURES	X	X	X
	COMMUNICATIONS	X	X	X

BASE-V Key Systems by Capability Area

4. DRUG DETECTION

4.1. Handheld Drug & Explosive Detection Unit



4.2. Small Drug & Explosive Detection Unit



5. EXPLOSIVE DETECTION

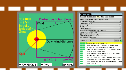
5.1. <same as Item 4.1>

5.2. Standoff Explosive Detection



5.3. <same as Item 4.2>

5.4. Explosive Material Analysis



6. RADIATION DETECTION

6.1. Standoff Radiation Detection <same as 5.2>

7. PASSPORT / IDENTITY VERIFICATION

7.1. Passport Verification Scanner



7.2. ViperOne Gen 2 BioPhone



8. METAL DETECTION

8.1. Handheld Metal Detection



8.2. Walk-Through Metal Detector



8.3. Under Vehicle X-Ray Metal Detection



8.4. Area Buried Metal Detection



19. OTHER

19.1. Toolkit



18. COMMUNICATIONS SYSTEMS

13.1. Local Personal Mesh Radio System



18.2. Satellite Voice & Data Terminal



18.3. Global Communications Interface Box



17. ACTIVE COUNTER MEASURES

17.1. Heckler & Koch MP7 Sub-Machine Gun



17.2. KSG High-Capacity Shotgun



16. LOCAL SECURITY & BARRIER SYSTEMS

13.1. Vehicle 360-degree Mast Camera



13.1. Traffic Management Kit



16.3. Vehicle Mounted Multi-Head Camera System



15. UNATTENDED GROUND SENSORS

13.1. Networked Unattended Ground Sensors



14. UNMANNED AERIAL SYSTEM

13.1. Medium VTOL Unmanned Aerial System



13. ROBOTIC GROUND SYSTEM

13.1. Small Robotic Ground System

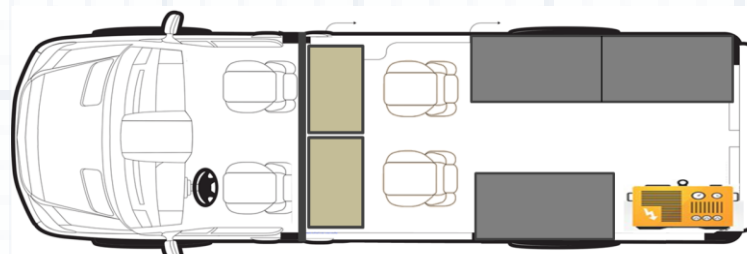


13.1. Medium Robotic Ground System



12. X-RAY HUMAN BODY SCAN

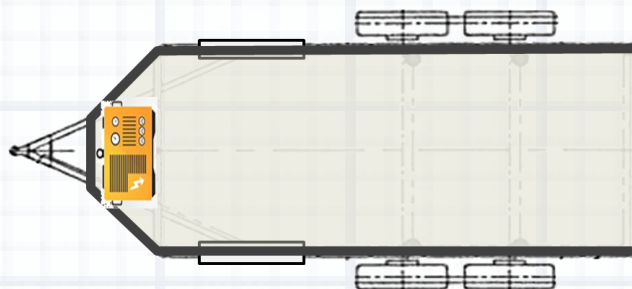
12.1. Portable Luggage X-Ray <same as 9.1>



1. BASE VEHICLE

2. VEHICLE UPFIT

3. TRAILER



9. CURRENCY DETECTION

9.1. Portable X-Ray Currency Detection



10. LUGGAGE X-RAY

10.1. Portable Luggage X-Ray: <same as 9.1>

10.2. Open Frame Handheld Luggage X-Ray



10.3. Checkpoint Luggage X-Ray (trailer-mounted)



11. VIDEO SCOPE

11.1. Manual 360 Degree Swivel Videoscope



BASE-V Package 1 Key Components by Capability Area

4. DRUG DETECTION

4.1. Handheld Drug & Explosive Detection Unit



4.2. Small Drug & Explosive Detection Unit



5. EXPLOSIVE DETECTION

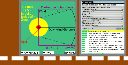
5.1. <same as Item 4.1>

5.2. Standoff Explosive Detection



5.3. <same as Item 4.2>

5.4. Explosive Material Analysis



6. RADIATION DETECTION

6.1. Standoff Radiation Detection
<same as 5.2>

7. PASSPORT / IDENTITY VERIFICATION

7.1. Passport Verification Scanner



7.2. ViperOne Gen 2 BioPhone



8. METAL DETECTION

8.1. Handheld Metal Detection



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18. COMMUNICATIONS SYSTEMS

18.1. Local Personal Mesh Radio System



18.2. Satellite Comms Terminal



18.3. Global Communications Interface Box



17. ACTIVE COUNTER MEASURES

17.1. Heckler & Koch MP7 Sub-Machine Gun



17.2. KSG High-Capacity Shotgun



16. LOCAL SECURITY & BARRIER SYSTEMS

16.1. Traffic Management Kit



9. CURRENCY DETECTION

9.1. Portable X-Ray Currency Detection



10. LUGGAGE X-RAY

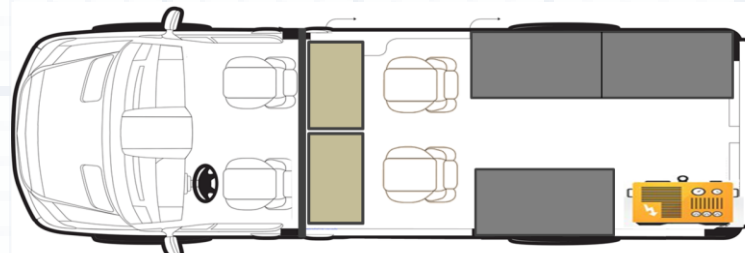
10.1. Portable Luggage X-Ray:
<same as 9.1>

10.3. Checkpoint Luggage X-Ray
(trailer-mounted)



11. VIDEO SCOPE

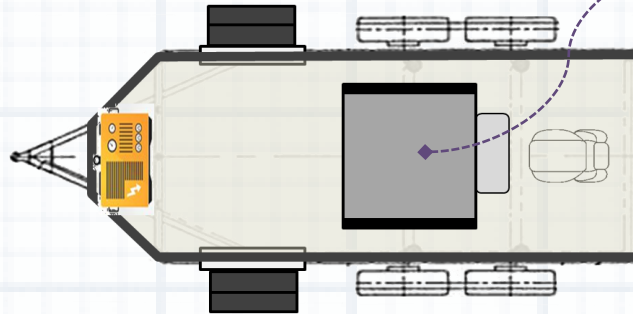
11.1. Manual 360 Degree Swivel Videoscope



1. BASE VEHICLE

2. VEHICLE UPFIT

3. TRAILER



BASE-V Package 2 Key Components by Capability Area

4. DRUG DETECTION

4.1. Handheld Drug & Explosive Detection Unit



4.2. Small Drug & Explosive Detection Unit



5. EXPLOSIVE DETECTION

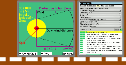
5.1. <same as Item 4.1>

5.2. Standoff Explosive Detection



5.3. <same as Item 4.2>

5.4. Explosive Material Analysis



6. RADIATION DETECTION

6.1. Standoff Radiation Detection <same as 5.2>

7. PASSPORT / IDENTITY VERIFICATION

7.1. Passport Verification Scanner



7.2. ViperOne Gen 2 BioPhone



8. METAL DETECTION

8.1. Handheld Metal Detection



8.2. Walk-Through Metal Detector



8.3. Under Vehicle X-Ray Metal Detection



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18. COMMUNICATIONS SYSTEMS

18.1. Local Personal Mesh Radio System



18.2. Satellite Voice & Data Terminal



18.3. Global Communications Interface Box



17. ACTIVE COUNTER MEASURES

17.1. Heckler & Koch MP7 Sub-Machine Gun



17.2. KSG High-Capacity Shotgun



16. LOCAL SECURITY & BARRIER SYSTEMS

16.1. Vehicle 360-degree Mast Camera



16.2. Traffic Management Kit



15. UNATTENDED GROUND SENSORS

15.1. Networked Unattended Ground Sensors



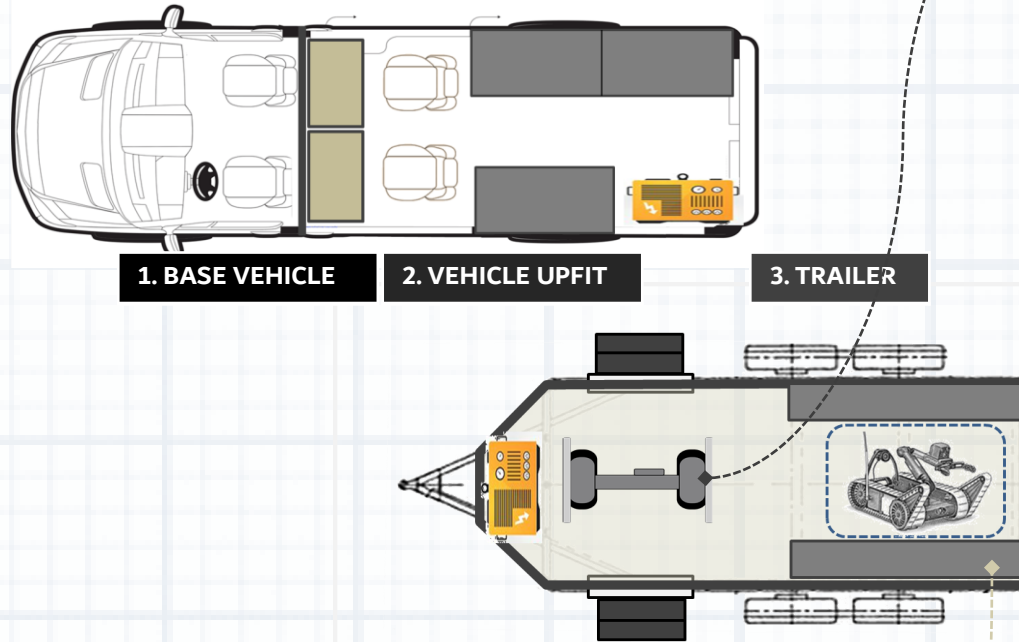
14. UNMANNED AERIAL SYSTEM

14.1. Medium VTOL Unmanned Aerial System



13. ROBOTIC GROUND SYSTEM

13.1. Medium Robotic Ground System



9. CURRENCY DETECTION

9.1. Portable X-Ray Currency Detection



11. VIDEO SCOPE

11.1. Manual 360 Degree Swivel Videoscope



BASE-V Package 3 Key Components by Capability Area

4. DRUG DETECTION

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4.2. Small Drug & Explosive Detection Unit



5. EXPLOSIVE DETECTION

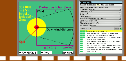
5.1. <same as Item 4.1>

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5.4. Explosive Material Analysis



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6.1. Standoff Radiation Detection <same as 5.2>

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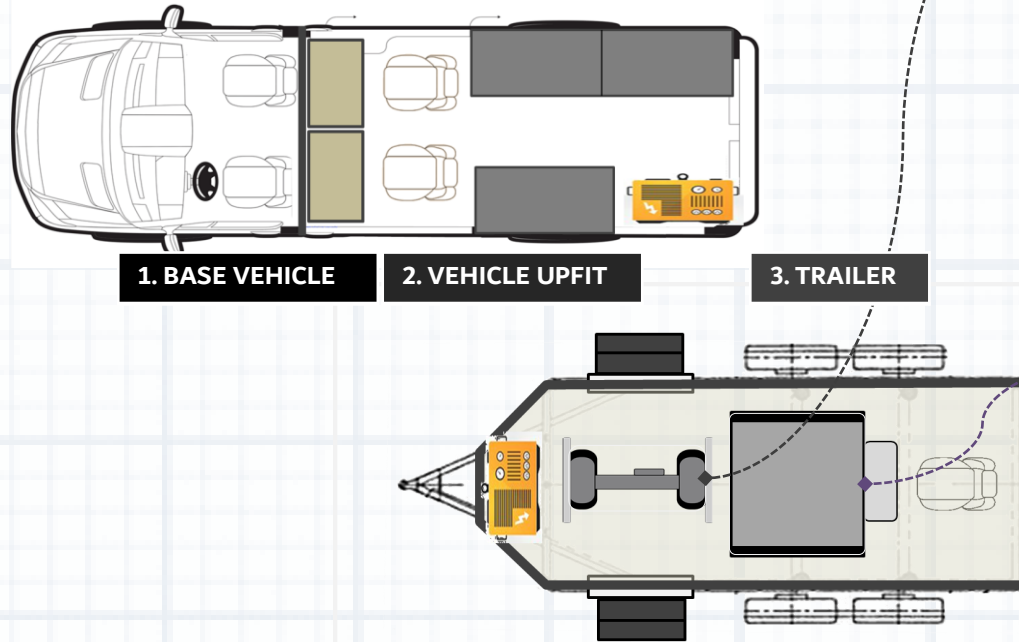
13. ROBOTIC GROUND SYSTEM

13.1. Small Robotic Ground System



12. X-RAY HUMAN BODY SCAN

12.1. Portable Luggage X-Ray <same as 9.1>



9. CURRENCY DETECTION

9.1. Portable X-Ray Currency Detection



10. LUGGAGE X-RAY

10.1. Portable Luggage X-Ray: <same as 9.1>

10.2. Open Frame Handheld Luggage X-Ray

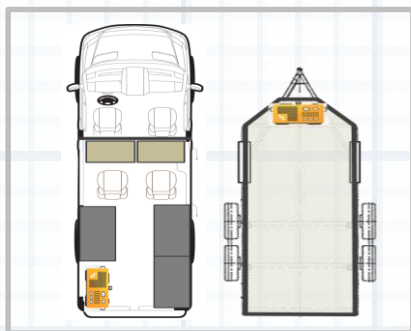


10.3. Checkpoint Luggage X-Ray (trailer-mounted)



BASE-V Organizational & Support Concept

BASE-V UNIT 1



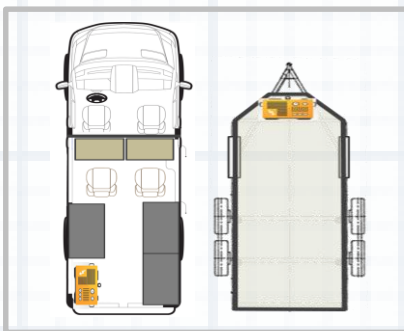
CREW 1



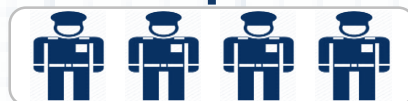
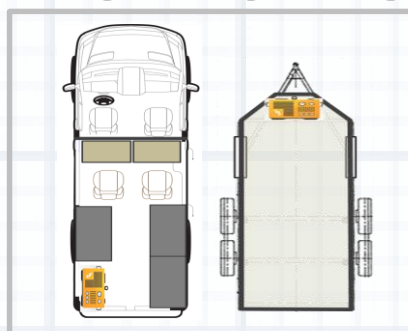
CREW 2



BASE-V UNIT 2



BASE-V UNIT 3



**BASE-V
EQUIPEMENT
TRAINING SET**



Training set supports up to 24 personnel (6 BASE-V crews) and provides immediate system spares to ensure for operational availability of BASE-V systems

ONE-YEAR TRAINING SUPPORT PLAN

ONE-YEAR MAINTENACE SUPPORT PLAN