



# PM Stryker Brigade Combat Team (SBCT)

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# Stryker Family of Vehicles



M1126  
Infantry Carrier Vehicle (ICV) - 130



M1135  
NBC Reconnaissance Vehicle (NBCRV) - 3



M1134  
Anti Tank Guided Missile (ATGM) - 10



M1127  
Reconnaissance Vehicle (RV) - 52



M1128  
Mobile Gun System (MGS) - 29



M1129  
120mm Mounted Mortar Carrier (MCV) - 37



M1130  
Commander's Vehicle (CV) - 28



M1131A1  
Fire Support Vehicle (FSV) - 14



M1133  
Medical Evacuation Vehicle (MEV) - 16



M1132  
Engineer Squad Vehicle (ESV) - 13

Total in a Brigade: 332

Current Fleet Delivered: 3,894

Remaining On Order: 292

## Commonality

Common Operating Picture

Common Chassis & Drive Train

Common KPP's

Common Survivability

Common TMDE, Spare Parts, Tools & Skills

## Bottom Line

*Stryker provides enhanced,*

*Battle-proven capabilities to warfighters*

**Over 28 million miles in Combat**

**Currently on 15<sup>th</sup> SBCT Deployment**

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# Supporting the ARFORGEN Process

## Current Operations

### BDE CONUS/OCONUS

Fort Bliss, TX  
Fort Hood, TX  
FtIG, PA  
Fort Wainwright, AK  
Fort Lewis, WA (3ea BDE)  
Schofield Barracks, HI  
Vilseck, DE



### COMMAND

Warren, MI  
Washington D.C.



DEPLOYED BDE  
OEF



### PRODUCTION

Anniston Army Depot, AL  
Lima, OH  
London, Ontario, CA



### BATTLE DAMAGE REPAIR

Anniston Army Depot, AL  
Qatar



### RESET FACILITIES

Anniston Army Depot, AL  
Fort Lewis, WA  
Qatar



### SPOD/APOD OPS

San Diego, CA, US  
Tacoma, WA, US  
Honolulu, HI, US  
Charleston, SC, US  
Beaumont, TX, US  
Bremerhaven, DE  
Diego Garcia, GB  
MM2



# Priorities

## Production:

- 292 DVH (Sep/Oct Award)
- NBCRV FRP in Dec (168 additional)

## Fielding:

- DVH (ongoing)
- 8<sup>th</sup> BDE (FY12)
- 9<sup>th</sup> BDE (FY13)

## Sustainment:

- Blue to Green
- Reset (OEF vehicles @ ANAD, FY12)
- BDAR (ongoing @ ANAD / Qatar)

## Upgrade:

- ECP (Network) in process
- Recap (planning in process)



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# Stryker Transition to Organic Maintenance Support

## Supply Support

- Garrison units transition in the beginning of FY12
- Parts flow through AWCF after transition

## Maintenance Support

- Brigades began transitioning in FY08
- Production-8 variants will complete transition to organic unscheduled support in FY12
- MGS and NBCRV will retain unscheduled service support
- In SBCTs/HBCTs:
  - MGS TBD
  - NBCRV until 94F are trained, target FY13
- In Chemical Companies:
  - Until an MTOE change adds 94F to chemical companies
- Units retain 4 FSR / BDE post transition, retaining CLS mechanics for scheduled services

Unit	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15	FY16	FY17	FY18	FY19
SBCT 1	Blue	Blue	Blue	Blue	Blue	Light Blue						
SBCT 2	Blue	Yellow	Blue	Blue	Blue	Light Blue						
SBCT 3	Blue	Blue	Blue	Blue	Blue	Light Blue						
SBCT 4	Blue	Blue	Blue	Blue	Blue	Light Blue						
SBCT 5	Blue	Blue	Blue	Blue	Blue	Light Blue						
SBCT 6	Blue	Blue	Blue	Blue	Blue	Light Blue						
SBCT 7	Blue	Blue	Blue	Blue	Blue	Light Blue						
SBCT 8	Blue	Blue	Blue	Blue	Blue	Light Blue						
SBCT 9	Blue	Blue	Blue	Blue	Blue	Light Blue						
TRADOC	Blue	Blue	Blue	Blue	Blue	Light Blue						
OCR	Blue	Blue	Blue	Blue	Blue	Light Blue						
DRCF	Blue	Blue	Blue	Blue	Blue	Light Blue						
HBCTs	Blue	Blue	Blue	Blue	Blue	Light Blue						
Chem Cos	Blue	Blue	Blue	Blue	Blue	Light Blue						

CLS for ALL Variants	MGS and/or NBCRV CLS	Organic/Ktr Hybrid
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# Stryker Opportunities for Industry and Challenges

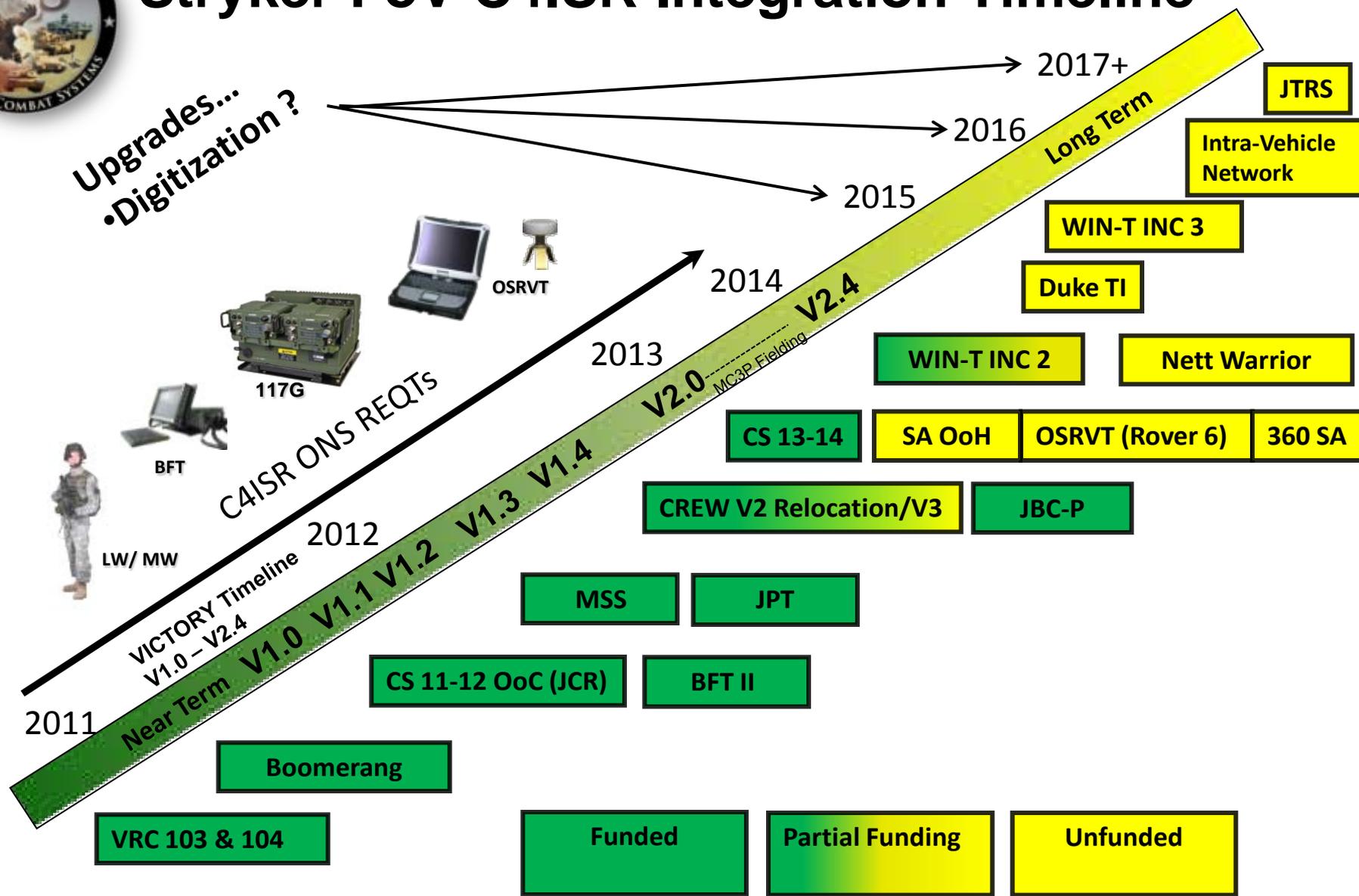
- Industry Potential:
  - GDLS Supplier/Sub-Contractor
  - Weight Reduction/Saving Alternatives
  - Production of A-kits (mounting/attachment hardware) for DVH kits
  - Survivability kit refurbishment (e.g., platt swing mounts)
  - Packaging for selected assemblies (e.g., suspension items)
  - Facilities maintenance/other logistics support for Stryker facilities in US and Qatar
  - Recurring Stryker Unique Sustainment Item Procurements (e.g. kits, brackets, metal plating, and cables)
- Communications and Net Readiness:
- C2 Technologies, Smart Display Commonality, Modular Intra –Vehicle Network
  - Situational Awareness: Out of Hatch capabilities, Video recording, 360 SA
- Integrate C4ISR Systems into Stryker Platforms- Technology Capability Integration Solutions
  - Compliance with Net-centric Operations and Warfare Standards
  - IDE (Integrated Digital Environment) -
    - The IDE is an integral part of Stryker becoming part of the Army Net-Centric Data enterprise. IDE will be implemented using ANCDs technologies and architectures.
  - Robust Network Capability (voice – data – video) enabling communications for line of sight or beyond line of sight
  - Execute Tactical Network Operations to expand and extend transport network based on operational needs
- Supportability:
  - Continuous/cost-saving Improvement to support the FOV





# Stryker FoV C4ISR Integration Timeline

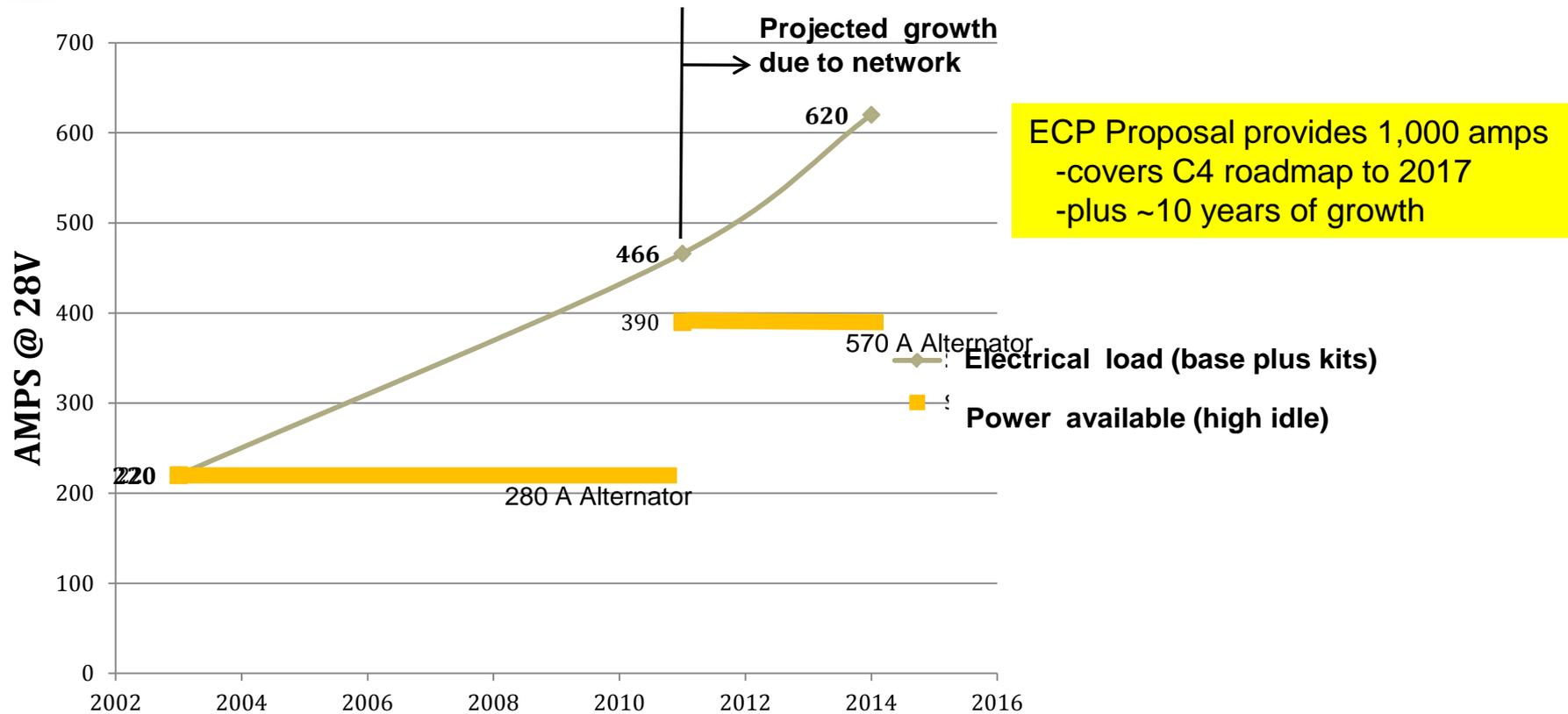
Upgrades...  
•Digitization?



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# Stryker Power Demand Growth over 10 years (CV)



- Power demand has grown ~30 amps per year since program inception.
- Current C4 roadmap projections are on track to increase that historical rate.
- Stryker CV already cannot power all installed systems at the same time.

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# Potential Stryker ECP Technologies

- **GAP: Network Enabled/Protection**
  - **Electrical System**
    - Increase electrical power
    - Battery and Power management

- **GAP: Protection**
  - **Increased IED/Mine protection (e.g. DVH)**
  - **Energy Attenuating seats**

- **GAP: Network Enabled**
  - Integrated C4 upgrade
  - Centralized processing with data and video networks
  - MILS network
  - GSS/MSS integration
  - Multi-functional Displays
  - Enhanced embedded training

- **GAP: Mobility**
  - **Suspension**
    - 60K w/semi-active suspension
    - Improved Mobility



- **GAP: Mobility/Protection**
  - **Power Train Upgrade**
    - 450HP engine
    - Heating/Cooling System
    - Parking Brake

- **GAP: Lethality/Protection**
  - **RWS Upgrades**
    - Javelin
    - Far target/slew to cue
  - 360 SA
  - Gunshot detection

- **GAP: Lethality/Protection**
  - **MGS Long Term Deficiencies**
    - Color day sight/display
    - Reduced trigger delay/gun tube stabilization
    - Under armor 50 cal
    - Improved 105MM ammo protection

- **Potential ECP Technologies**
- **Not being pursued under ECPs**

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