



U.S. Army Futures Command (AFC) is the fourth Army Command and its creation is the most significant Army reorganization since 1973. **Army Futures Command: Modernizes the Army for the future.**

The Army Materiel Command (AMC) and Army Futures Command (AFC) held a ceremony on Jan. 31, transitioning the U.S. Army Research, Development and Engineering Command (RDECOM) from AMC to AFC. The official date of the transfer was Feb. 3, during which RDECOM became Combat Capabilities Development Command (CCDC).

As the Army's newest command and the largest of AFC's three major elements, the CCDC comprises of eight major competency areas including:

CCDC Armaments Center – formerly ARDEC

CCDC Aviation & Missile Center – formerly AMRDEC

CCDC Army Research Lab

CCDC Chemical Biological Center – formerly ECBC

CCDC C5ISR Center – formerly CERDEC

CCDC Data & Analysis Center – formerly AMSAA

CCDC Ground Vehicle Systems Center (GVSC) - formerly TARDEC

CCDC Soldier Center – formerly NSRDEC or Natick



Welcome to the CCDC Ground Vehicle Systems Center – Industry Days

The next few pages of acronyms are provided for your convenience.

Acronym	Definition
ABMS	Active Blast Mitigation System
AC	Armaments Center
ACE	Advanced Combat Engine; Advanced Collaborative Environment
ACO	Administrative Contracting Officer
ACT	Advanced Combat Transmission
ACV	Amphibious Combat Vehicle
ACVAD	Advanced Combat Vehicle Armor Development
AD	Associate Director
ADAS	Advanced Driver Assist
AEWE	Army Expeditionary Warrior Experiment
AFC	Army Futures Command
AFES	Automatic Fire Extinguishing System
AGR	Autonomous Ground Resupply
AGVRA	Autonomous Ground Vehicle Robotics Architecture
AI	Artificial Intelligence
AIDTR	AI-Assisted Detection and Target Recognition
AiOE	Autonomy in Operational Energy Overview
ALwT	Advanced Lightweight Track
AM	Additive Manufacturing
AMAS	Autonomous Mobility Appliqué System
AMB	Advanced Modular Batteries
AMC	U.S. Army Materiel Command
AMIC	Autonomous Mobility Thru Intelligent Collaboration
AMO	Acquisition Management Office
AMPV	Armored Multi-Purpose Vehicle
ANCF	Absolute Nodal Coordinate Formulation
AP/AT	Anti-Personnel/Anti-Tank
APD	Advanced Powertrain Demonstrator
APG	Aberdeen Proving Ground
APL	Army Petroleum Lab
APOP	Advanced Propulsion with On-Board Power
APS	Active Protection System
APC	Armored Personnel Carrier
APU	Auxiliary Power Unit
ARC	Automotive Research Center
ARCIC	Army Capabilities Integration Center
ARIBO	Applied Robotics for Installations & Base Operations
ARL	Army Research Lab
ARO	Army Research Office
ARPA-E	Advanced Research Projects Agency-Energy
ASA(ALT)	Assistant Secretary for the Army for Acquisition, Logistics and Technology
ASE	Autonomous Systems Evaluation

ASIE	Army Standards Improvement Executive
AT	Advanced Threat; All Terrain; Advanced Thermal
ATC	Aberdeen Test Center
ATEC	U.S. Army Test and Evaluation Command
ATGM	Anti-Tank Guided Missile
ATMS	Advanced Thermal Management System
ATT	Adaptive Track Tensioner
ATV	All-Terrain Vehicle
AvMC	Aviation & Missile Center
AVPTA	Advanced Vehicle Power Technology Alliance
AWS	Army Watercraft Systems
BEST	Blast Event Simulation Tool
BFV	Bradley Fighting Vehicle
BMP	Blast Mitigation Program
BMS	Battery Management System
BOM	Bill of Material
C4ISR	Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance
C5ISR	C5ISR Center
CAAR	Coalition Assured Autonomous Resupply
CAD	Computer Aided Design
CAGE	Commercial and Government Entity
CAMEL	Concept for Advanced Military Explosion-mitigating Land Demonstrator
CARC	Chemical Agent Resistant Coating
CASCOM	Combined Arms Support Command
CASSI	Concept, Analysis, Systems, Simulation & Integration
CAST	Convoy Active Safety Technologies
CAST	Crew Augmentation Simulation & Test
CAT	Category (Acquisition)
CBC	Chemical Biological Center
CBM+	Condition Based Maintenance Plus
CBRNE	Chemical, Biological, Radiological, Nuclear Explosive
CCDC	Combat Capabilities Development Command
CCUBS	Crew Compartment Underbody Blast Simulator
CDD	Capability Development Document
CDE	Common Development Environment
CDR	Critical Design Review
CEMA	Cyber Electromagnetic Actives
CFIUS	Committee On Foreign Investment In United States
CFT	Cross-Functional Team
CIE	Chief Integration Engineer
C-IED	Counter Improvised Explosive Device
CM	Counter Measure; Configuration Management
CMMI	Capability Maturity Model Integrated

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CMO	Competition Management Office
COAT	Crew Optimization & Augmentation Technologies
Col	Community of Interest
CONOPS	Concept of Operations
COP	Common Operational Picture
COR	Contracting Officer's Representative
CoRe	Code Release
CoS	Chief of Staff
COTS	Commercial-Off-the-Shelf
CoVeR	Combat Vehicle Robotics
CPD	Capability Production Document
CRADA	Cooperative Research & Development Agreement
CROWS	Common Remotely Operated Weapon Station
CSI	Center for System Integration
CTMA	Commercial Technologies for Maintenance Activities
CVAA	Combat Vehicle Adaptive Armor
CVP	Combat Vehicle Prototype
CVRC	Composite Vehicle Research Center (Mich St. Univ)
D&B	Dun & Bradstreet
DA2	Detroit Arsenal Automotive
DA	Department of the Army
DAA	Detroit Arsenal Automotive
DAC	Data & Analysis Center
DARPA	Defense Advanced Research Projects Agency
DASA(R&T)	Deputy Assistant Secretary of the Army for Research and Technology
DATC	Defense Automotive Technologies Consortium
DEA	Data Exchange Annexes
DIC	Digital Image Correlation
DLA	Defense Logistics Agency
DME	Defense Mobility Enterprise
DMSMS	Diminishing Manufacturing Sources and Material Shortages
DoD	Department of Defense
DoE	Department of Energy
DOTMLPF	Doctrine, Organization, Training, Materiel, Leadership and Education, Personnel, Facilities
DSBS	Dynamic Small Business Search
DSC	Digital Source Collector
DPT	Digital Physical Thread
DVE	Degraded Visual Environment
EAHS	Electrically Adaptable HVAC System
EBO	External Business Office
ECO	Emerging Capabilities Office

ECP	Engineering Change Proposal
ECS	Environmental Control System
ECU	Engine Control Unit
EEE (E3)	Electromagnetic Environmental Effects
EFP	Explosively Formed Penetrator
EHP	Explosive Hazards Pre-Detonation
EIN	Employer Identification Number
EM	Electromagnetic (armor)
EMI	Electromagnetic Interference
EPA	Education Partnership Agreement
ERDC	Engineer Research and Development Center
ESA	Engineering Support Activity
ESL	Energy Storage Lab
EST	Energy Storage Team
ESU	External Suspension Unit
ExLF	Expedient Leader Follower
FAJRI	Fastening & Joining Research Institute (Oakland U)
FAR	Federal Acquisition Regulation
FAT	First Article Testing
FEA	Finite Element Analysis
FEGO	Fuel Efficient Gear Oils
FeMnAl	Iron Manganese Aluminum
FMC	Fully Mission Capable
FMTV	Family of Medium Tactical Vehicles
FP TIL	Fire Protection Technology Integration Laboratory
FOB	Forward Operating Base
FOUO	For Official Use Only
FPT	Force Projection Technology
FQS	Fuel Quality Surveillance
FST	Fire, Smoke & Toxicity
FSW	Friction Stir Weld
FY	Fiscal Year (Oct-Sep)
FYSA	For Your Situational Awareness
GCV	Ground Combat Vehicle
GIDEP	Government-Industry Data Exchange Program
GMV	Ground Mobility Vehicle
GPR	Ground Penetrating Radar
GPU	Ground Power Unit
GSARC	Ground System Advanced Reliability Capability
GSCE	Ground Systems Cyber Engineering
GSEAA	Ground System Engineering Analysis and Assurance
GSID	Ground Systems Integration Domain
GSPEL	Ground Systems Power and Energy Laboratory

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GSPF	Ground Systems Performance Fluids
GV	Ground Vehicle
GVPM	Ground Vehicle Power and Mobility
GVR	Ground Vehicle Robotics
GVS	Ground Vehicle Systems
GVSC	Ground Vehicle Systems Center
GVSL	Ground Vehicle Simulation Laboratory
GVSP	Ground Vehicle Survivability & Protection
GVW	Gross Vehicle Weight
HALO	Holistic Advanced Lightweighting Opportunity
HBCT	Heavy Brigade Combat Team
HEMTT	Heavy Expanded Mobility Tactical Truck
HET	Heavy Equipment Transporter
HETS	Heavy Equipment Transporter System
HEX	Heat Exchanger
HFD	Hostile Fire Detection
HIL	Hardware in the Loop
HMD	Helmet Mounted Display
HMS	Hardware & Man-in-the-Loop Simulation
HMMWV	High Mobility Multipurpose Wheeled Vehicle
HPC	High Performance Computing
HTUF	High-Efficiency Truck Users Forum
HTV	Heavy Tactical Vehicles (PM HTV)
HTVR	Heavy Track Vehicle Roller
HVAC	Heating, Ventilation and Air Conditioning
HWIL	Hardware In the Loop
IA	International Agreements
IB	Industrial Base
IBCT	Infantry Brigade Combat Team
IBHD	Industrial Base Health Directorate
IBIT	Industrial Base Integration Team
IBMT	Interior Blast Mitigation Technologies
ICD	Interface Control Documents
iCRADA	International Cooperative Research and Development Agreement
IDIQ	Indefinite Delivery, Indefinite Quantity
IEA	Information Exchange Annexes
IED	Improvised Explosive Device
IFV	Infantry Fighting Vehicle
IIPS	Interior Impact Protective Solution
ILSC	Integrated Logistics Support Center
IOP	Interoperability Profiles
IPO	Information Proponent Office
IPS	Integrated Product Support

IPT	Integrated Planning Team
ISG	Integrated Starter Generator
ISV	Infantry Squad Vehicle
ITAR	International Traffic in Arms Regulations
JCTD	Joint Capability Technology Demonstration
JIDO	Joint Improvised-Threat Defeat Organization
JLTV	Joint Light Tactical Vehicle
JPO	Joint Program Office
JRaDS	Joint Recovery and Distribution System
KLV	Key Leader Vehicles
LAV	Light Armored Vehicle
LCMC	Life Cycle Management Command
LF	Leader Follower
LFT&E	Live Fire Test and Evaluation
LIDAR	Light Detection and Ranging
LIRA	Long-Range Investment Requirements Analysis
LOE	Line of Effort
LOWG	Lead Obsolescence Working Group
LSA	Local Situational Awareness
LSV	Logistical Support Vessel
LTCMS	Light Tactical Counter Measure System
LTV	Light Tactical Vehicle
LVAD	Low Velocity Airdrop
LVSR	Logistics Vehicle System Replacement (tractor)
LW	Light Weight
LWP	Lightweight Water Purifier
M&S	Modeling and Simulation
MAC	Modular APS Controller
MAF	Modular APS Framework
MAM	Maintenance Advisory Message
MANTECH	Manufacturing Technology (DoD)
M-ATV	MRAP All-Terrain Vehicle
MAPS	Modular Active Protection System
MBD	Multibody Dynamics
MBT	Main Battle Tank
MCE	Multi-Cylinder Engine
MCM	Mechanical Countermine
MCoE	Maneuver Center of Excellence
MCoE	Marine Corps Center of Excellence
MEL	MUM-T Experimentation Laboratory
MDEP	Management Decision Package
MDO	Multi-Domain
MFBT	Multi-Functional Bridging Technology

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METD	Mission Enabling Technologies Demonstrator
MHE	Material Handling Equipment
MHV	Modular High Voltage
MILDEP	Military Deputy
MIL STD	Military Standard
MING	Michigan National Guard
ML	Machine Learning
MPF	Mobile Protected Firepower
MOA	Memorandum of Agreement
MORE	Multifunctional Obsolescence Resolution Environment
MOU	Memorandum of Understanding
MPC	Marine Personnel Carrier
MPE	Manned-Unmanned Teaming Platform Enablers
MRAP	Mine Resistant Ambush Protected
MSA	Modular Software Approach
MSCoE	Maneuver Support Center of Excellence, formerly MANSCEN - Mission Support Services
MTC	Movement to Contact
MTL	Materials
MTV	Medium Tactical Vehicle
MUM-T	Manned-Unmanned Teaming
MVAC	Military Vehicle Air Conditioning
NAC	National Automotive Center
NAICS	North American Industry Classification System
NAMC	National Advanced Mobility Consortium, Inc
NATC	Nevada Automotive Test Center
NDI	Non-Developmental Item
NEPA	National Environmental Policy Act
NGCV	Next Generation Combat Vehicle
NLOS	Non-Line of Sight
NRMM	NATO Reference Mobility Model
OCONUS	Outside Continental United States
OCP	Occupant Centric Platform
OCS	Office of the Chief Scientist
OE	Operational Energy
OEM	Original Equipment Manufacturer
OGA	Other Government Agencies
ONS	Operational Needs Statements
ONR	Office of Naval Research
ORSA	Operations Research & Systems Analysis
OSD	Office of the Secretary of Defense
OTA	Other Transaction Authority
OTD	Operational Technical Demonstration

PA	Project Agreements
PACMANFA	Pacific Maneuvers Functional Assessment
PCO	Procuring Contracting Officer
PdM AMS	Product Manager Assured Mobility Systems
PdM PAWS	Product Manager Petroleum & Water Systems
PDR	Preliminary Design Review
PDREP	Product Data Reporting and Evaluation Program
PEO CS&CSS	Program Executive Officer Combat Support & Combat Service Support
PEO GCS	Program Executive Officer Ground Combat System
PESHE	Programmatic Environment, Safety and Occupational Health Evaluation
PIF	Prototype Integration Facility
PIM	Paladin Integrated Management
PLS	Palletized Loading System
PM HBCT	Product Manager Heavy Brigade Combat Teams
PM HET	Product Manager Heavy Equipment Transporter
PM LAV	Product Manager Light Armored Vehicle
PM PAWS	Product Manager Petroleum and Water Systems
PM SBCT	Product Manager Stryker Brigade Combat Team
PM SKOT	Product Manager Sets Kits Outfits and Tools
PMJS	Program Manager for Joint Services
PNT	Positioning, Navigation & Timing
POM	Program Objective Memorandum
POR	Program of Record
PPQA	Product & Process Quality Assurance
PPSS	Post Production Software Support
PS&D	Petroleum Storage & Distribution
PS&T	Physical Simulation & Test (team)
PSID	Product Support Integration Directorate
PTAC	Procurement Technical Assistance Centers
ONR	Office of Naval Research
QPD	Qualified Products Database
QPL	Qualified Products List
QSD	Qualification Standards Development
OTA	Other Transactions Authority
R&D	Research & Development
RAS	Robotic & Autonomous System
RCV	Robotic Combat Vehicle
RDEC	Research, Development and Engineering Center
REF	Rapid Equipping Force
RFI	Request for Information
RFP	Request for Proposals
RFPP	Request for Partnership Proposal

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RIF	Rapid Innovation Fund
RMF	Risk Management Framework
RMS	Ride Motion Simulation
RWS	Remote Weapon System
RORO	Roll On/Roll Off
ROS-M	Robotic Operating System - Military
RPG	Rocket-Propelled Grenade
RPPOB	Replenishment Parts Purchased or Borrowed Program
RTCH	Rough Terrain Container Handler
RTI	Research Technology and Integration
RTK	Robotic Technology Kernel
RUTF	Reciprocal Use of Test Facilities
S&T	Science and Technology
SA	Situational Awareness
SABL	Survivability Armor Ballistics Laboratory
SAM	System for Award Management
SANGB	Selfridge Air National Guard Base
SAP	Source Approval Request
SBIR	Small Business Innovation Research
SEGA	Soldier Experimental Gaming & Analysis
SBA	Small Business Administration
SBCT	Stryker Brigade Combat Team
SBIR	Small Business Innovation Research
SC	Soldier Center
SCMM	Squad Centric Mounted Maneuver
SEC	Software Engineering Center
SEGA	Soldier Experimental Gaming & Analysis
SEP	System Enhancement Package
SETA	Systems Engineering and Technical Assistance
SFR	System Functional Review
SIL	System Integration Laboratory
SimBRS	Simulation-Based Reliability and Safety (Miss St U)
SIW	Soldier Innovation Workshop
SLAM	Simultaneous Localization and Mapping
SME	Subject Matter Expert
SMET	Squad Maneuver Equipment Transport
SNR	System/Stakeholder Needs Review
SoSAT	System of Systems Analysis Toolkit
SOCOM	Special Operations Command
SOSCOE	System-of-Systems Common Operating Environment
SoSI	Systems of Systems Integration
SOUM	Safety of Use Message

SOW	Statement of Work
SPAWAR	Space and Naval Warfare Systems Command
SPiDER	Suspension Parameter Identification and Evaluation Rig
SPO	Special Projects Office7
SST	System Simulation & Test
STLB	Semitrailer Low Bed
STE	Senior Technical Experts
STEM	Science, Technology, Engineering and Math
STO-R	Science & Technology Objective-Research
STTR	Small Business Technology Transfer
SUWP	Small Unit Water Purifier
SWAP-C	Size, Weight, Power and Cost
T&E	Test and Evaluation
TACOM LCMC	TACOM Life Cycle Management Command
TACOM SBO	TACOM Small Business Office
TAR	Technical Architecture Reference
TCS	Technical Steering Committee
TDP	Technical Data Package
TEMP	Test and Evaluation Master Plan
TET	Test and Evaluation Team
TIN	Tax Identification Number
TMI	Technology Maturation Initiative
TOP	Test Operating Procedure
TPA	Technology Program Agreement
TRADOC	U.S. Army Training and Doctrine Command
TRANSCOM	U.S. Transportation Command
TRAC	TRADOC Analysis Center
TRL	Technology Readiness Level
TSA	Testing Services Agreement
TTP	Tactics, Training, and Procedures
TV	Tactical Vehicle
TVEK	Tactical Vehicle Electrification Kit
TWPS	Tactical Water Purification System
TWV	Tactical Wheeled Vehicle
UAS	Unmanned Aerial System
UAV	Unmanned Aerial Vehicle
UBB	Underbody Blasts
UBM	Underbody Blast Modeling
UGS	Unmanned Ground System
UGV	Unmanned Ground Vehicle
ULV	Ultra-Light Vehicle
USACE	U.S. Army Corps of Engineers

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USG	United States Government
USMC	United States Marine Corps
V2G	Vehicle-to-Grid
V2S	Vehicle-to-Sensor
V2V	Vehicle-to-Vehicle
VCSA	Vice Chief of Staff Army
VEA	Vehicle Electronics & Architecture
VECTOR	VICTORY Enabled Company TransfORmation
VEST	Virtual Environment Simulation Team
VICTORY	Vehicle Integration for C4ISR/EW Interoperability
VMD	VEA Mobile Demonstrator
VRA	Vehicle and Robotics Alliance
VRS	VEA Research SIL
VS	Value Stream
VWP	Vehicle Wireless Package
WARCAT	Warfighter Requirements and Capabilities Analysis
WMI	Warfighter-Machine Interface
WNS	Wire Neutralization System
WSM	Weapon System Manager
WT&H	Water Treatment & Handling
YPG	Yuma Proving Ground