

USA 1980s TO&Es v2.7

By R Mark Davies for Battlefront: First Echelon



By R Mark Davies, with contributions from and thanks to Greg Lyle, Mark Hayes, Allen Curtis and Max Wünderlich

US Army in Europe (USAREUR) 1980-1989

The main combat formation of the US Army in Europe (USAREUR) was the US 7th Army. US 7th Army HQ also doubled as the NATO CENTAG (CENTral Army Group) HQ, which commanded all NATO forces in the southern half of West Germany (normally II (Ge) Corps, III (Ge) Corps, US V Corps and US VII Corps, plus 4th Canadian Mech Brigade Group, possibly also with French and Spanish formations added in wartime). Similarly, the British Army of the Rhine doubled as the HQ for NORTHAG (NORTHern Army Group).

In addition to 7th Army, USAREUR was also responsible for the 199th Separate Infantry Brigade in Berlin, plus the two US Brigades that were permanently deployed in West Germany as advanced elements of US III Corps (see below). There were also logistical support and headquarters elements in the UK, Belgium, Netherlands and Italy.

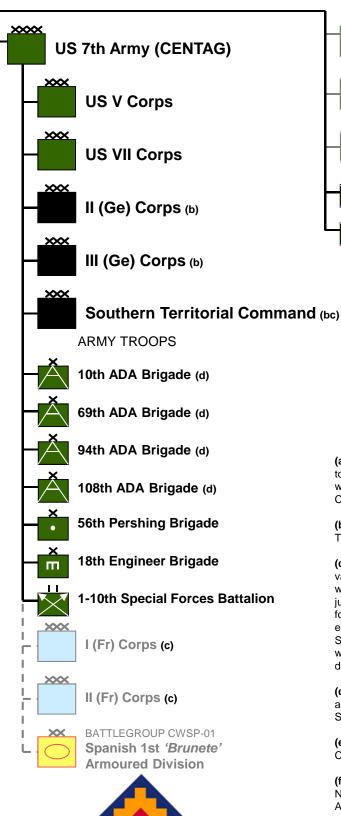
US III Corps was based in the Eastern USA, but was the main holding formation for REFORGER units (REFORGER = REturn of FORces to GERmany), which would rapidly deploy to Europe in the build-up to war, picking up pre-positioned heavy equipment in Belgium, the Netherlands and West Germany (NATO'S REFORGER exercises practiced this rapid deployment annually, as well as the rapid-deployment of other NATO forces (British, Belgian, Dutch and Danish) to West Germany). Some of III Corps' elements were earmarked to reinforce V and VII Corps in CENTAG, but the bulk of III Corps was intended to reinforce NORTHAG – either as direct reinforcement for NORTHAG'S NATO allied Corps (Belgian, British, German & Dutch) or as an integral, fully-deployed US III Corps. Two brigades from III Corps were permanently deployed forward to West Germany in peacetime – one brigade from 2nd Armored Division was permanently attached to NORTHAG, while a brigade from 1st Infantry Division (Mech) was permanently attached to US VII Corps.

US XVIII Airborne Corps was the rapid-deployment element of the US Army. While it held some REFORGER elements, it was not a REFORGER formation per se, but did have a contingency plan to deploy to Europe; most probably in defence of NATO's Northern Flank.

One last formation to mention is 9th Infantry Division (Motorized), which was part of US I Corps in the USA. This was intended as an experimental test-bed formation for new technology, with a particular specialisation in rapid deployment by air and as such had large numbers of TOW-armed HMMWV in lieu of tanks. In the late 1980s it was given the role of reinforcing the Danish-German LandJut Command.



US Army in Europe (USAREUR)





US III Corps (a)



US XVIII (Airborne) Corps (a)



BATTLEGROUP CWUS-28
9th Infantry Division (Motorized) (g)



BATTLEGROUP CWUS-11

199th Infantry Brigade (Berlin Brigade) (e)



BATTLEGROUP CWUS-17

3-325th Parachute Infantry Battalion (ef)



- (a) These formations were stationed in the USA, but were ready to reinforce USAREUR. However, their most likely destination would have been the British-led NORTHAG sector rather than CENTAG.
- **(b)** Two regular German Corps and the Corps-sized Southern Territorial Command came under command of CENTAG.
- (c) Although not part of the CENTAG command structure for various political reasons, the French II Corps was partially located within CENTAG's area of responsibility, with I Corps in reserve, just over the border. It is likely that one or both of these formations might have come under command of CENTAG in the event of war. Another option was for the creation of a new SOUTHAG, led by the French 1st Army Headquarters. This would comprise both French Corps and III (Ge) Corps, plus one division from the German Southern Territorial Command.
- (d) These units formed the 32nd Air Defence Command and were armed with I-Hawk SAMs (progressively replaced with Patriot SAMs in the late 1980s).
- (e) These units, while part of USAREUR, did not come under the CENTAG command structure.
- (f) This unit was stationed in Italy as a rapid-response unit for NATO's LANDSOUTH Command (see the Italian TO&Es). Additionally and long with British, Belgian and German units, it would have formed part of the ACE Mobile Force (Land) Southern Option.
- (g) This formation was assigned in the late 1980s to reinforce the Danish-German LandJut Corps.







BATTLEGROUP CWUS-01 **3rd Armored Division**



BATTLEGROUP CWUS-02

8th Infantry Division (Mech)



BATTLEGROUP CWUS-12

11th Armored Cavalry Regiment



BATTLEGROUP CWUS-27

12th Combat Aviation Brigade



41st Field Artillery Brigade



42nd Field Artillery Brigade



130th Engineer Brigade









BATTLEGROUP CWUS-01

1st Armored Division



BATTLEGROUP CWUS-02

3rd Infantry Division (Mech)



BATTLEGROUP CWUS-12

2nd Armored Cavalry Regiment



BATTLEGROUP CWUS-27

11th Combat Aviation Brigade



17th Field Artillery Brigade



72nd Field Artillery Brigade



210th Field Artillery Brigade



7th Engineer Brigade



BATTLEGROUP CWUS-03

3rd Brigade, 1st Infantry Division (Forward-Deployed element from III Corps)

BATTLEGROUP CWCA-01



4th Canadian Mechanised Brigade Group

Alternative:



BATTLEGROUP

1st Canadian Infantry Division (From 1988)





US III Corps



BATTLEGROUP CWUS-01

2nd Armored Division

(REFORGER to NORTHAG – 1 Bde pre-positioned)



BATTLEGROUP CWUS-01

1st Cavalry Division

(REFORGER to NORTHAG)



BATTLEGROUP CWUS-02

1st Infantry Division (Mech)

(REFORGER to VII Corps – 1 Bde pre-positioned)



BATTLEGROUP CWUS-02

4th Infantry Division (Mech)

(REFORGER to V Corps)



BATTLEGROUP CWUS-02

5th Infantry Division (Mech)

(REFORGER to NORTHAG)



BATTLEGROUP CWUS-12

3rd Armored Cavalry Regiment

(REFORGER to NORTHAG)

BATTLEGROUP CWUS-27

12th Cavalry Brigade (Air Combat)



75th Field Artillery Brigade



212th Field Artillery Brigade (REFORGER to NORTHAG)



214th Field Artillery Brigade



31st Air Defense Artillery Brigade





US XVIII Airborne Corps





BATTLEGROUP CWUS-04

82nd Airborne Division



BATTLEGROUP CWUS-05

101st Airborne Division (Air Assault)



BATTLEGROUP CWUS-06

10th (Mountain) Light Infantry Division (a)



BATTLEGROUP CWUS-02

24th Infantry Division (Mech) (REFORGER formation)



BATTLEGROUP CWUS-27

18th Combat Aviation Brigade



18th Field Artillery Brigade (Airborne)



20th Engineer Brigade



6th Air Defense Artillery Brigade



11th Air Defense Artillery Brigade

(a) 10th Mountain Division was added in 1986.





US Armored Division 1980s

BATTLEGROUP CWUS-01

US Cavalry Division 1980s (a)

BATTLEGROUPS (BRIGADE HEADQUARTERS)



BG CWUS-03

x3 Heavy Brigade Headquarters (bcd)



Command HQ x1 Commander

CWUS-36



Transport

x1 M577 Armoured Command Vehicle CWUS-14



BG CWUS-03

Up to x1 Aviation Brigade Headquarters (bcd)



Command x1 Commander

CWUS-36



Transport

x1 M577 Armoured Command Vehicle CWUS-14

BATTLEGROUPS (MANEUVER BATTALIONS) (e)



BG CWUS-13

x6 Armored Battalion (e)



BG CWUS-14

x5 or x4 Mechanized Infantry Battalion (ef)



BG CWUS-16

x1 Divisional Armored Cavalry Squadron (en)

MANOEUVRE ELEMENTS



ME CWUS-16

x4 Combat Engineer Company (el)



MF CWUS-17

x3 Air Defence Battery (Vulcan) (e)



ME CWUS-18

x3 Air Defence Battery (Chaparral) (e)

FIRE SUPPORT ELEMENTS



FSE CWUS-01

x3 SP Field Artillery Battalion (e)



FSE CWUS-07

x1 SP Heavy Artillery Battalion (eg)

DIVISIONAL AVIATION ASSETS (dm)



x20 AH-1S Cobra Attack Helicopter (ehi)

CWUS-61



x18 OH-58 Kiowa Observation Helicopter (ej) CWUS-57

x10 UH-1D/H Iroquois Utility Helicopter (ek)

- (a) The 1st Cavalry Division (a REFORGER formation assigned to III Corps in the USA) was simply an Armored Division with a historical title. Many of its constituent Armored and Mech Infantry Battalions were converted from old Cavalry Regiments and similarly retained the historical title of 'Cavalry', even though they didn't function as reconnaissance troops.
- (b) Brigades within a division were normally numbered 1st, 2nd or 3rd Brigades of a particular division. 'Combat Maneuver Battalions' (i.e. Armor or Mech Infantry) were then distributed to the Brigades as required by the tactical situation. An Armored Division initially had x6 Armored and x5 Mech Infantry Battalions. However, one Mech Infantry Battalion was deleted under the 'Division 86' reorganisation, which gave Armoured Divisions x6 Armoured and x4 Mech Infantry Battalions.
- (c) Generally only Independent ('Separate' in US parlance) Brigades would be assigned 'Armored' or 'Mechanised' designations and individual numbers. However, the exception to this rule was National Guard Brigades assigned to REFORGER divisions, which would come with their own unit identity (e.g. '48th Mech Infantry Brigade, Georgia National Guard' would become '3rd Brigade, 24th Infantry Division' in wartime). However, all this was academic in wartime, as units would get quickly mixed up as battlegroups would be formed, dispersed and then re-formed as the mission dictated.
- (d) A 4th (Aviation) Brigade was formed in each division as part of the 'Division 86' reorganisation. In peacetime the 4th (Aviation) Brigade held administrative responsibility for the Divisional Armoured Cavalry Squadron and the division's aviation assets. However, in wartime the brigade would function like any other in the division and would share, mix and match the division's Combat Maneuver Battalions, Cavalry Squadron and aviation assets as required by the tactical situation.
- (e) These elements were distributed among the division's brigades as required.
- (f) x1 Mech Infantry Battalion was deleted under the 'Division 86' reorganisation (see above).
- (g) Mid-1980s: Heavy Artillery Battalions were all massed in the Corps Artillery Brigades (x2 in each Corps - see FSE CWUS-11). Replace with x1 MLRS Battery (FSE CWUS-10).
- (h) Early-1980s: May replace AH-1S Cobra with: AH-1S Enhance Cobra Attack Helicopter CWUS-62

AH-64 Apache Attack Helicopter

- (i) Late-1980s: May replace x10 AH-1S Cobra with: CWUS-65
- (j) Late-1980s: May replace x3 OH-58 Kiowa with: OH-58D Kiowa Warrior Observation Helicopter CWUS-58
- (k) From early 1980s: May replace x7 UH-1H/D Iroquois with: UH-60 Blackhawk Utility Helicopter CWUS-60
- (I) The divisional Combat Engineer Battalion also had a Bridging Company not shown here. Each Corps also had a Combat Engineer Brigade of three battalions, plus two additional Bridging Companies.
- (m) Each Corps also had an independent Combat Aviation Brigade (BG CWUS-27).
- (n) Each Corps also possessed an Armoured Cavalry Regiment (BG CWUS-12).



BATTLEGROUPS (BRIGADE HEADQUARTERS)

BG CWUS-03

x3 Heavy Brigade Headquarters (abc)

Command x1 Commander

CWUS-36

Transport

x1 M577 Armoured Command Vehicle CWUS-14

BG CWUS-03

Up to x1 Aviation Brigade Headquarters (abc)

Command x1 Commander

CWUS-36

Transp

Transport

x1 M577 Armoured Command Vehicle CWUS-14

BATTLEGROUPS (MANEUVER BATTALIONS)

BG CWUS-13

x4 or x5 Armored Battalion (de)

X

BG CWUS-14

x6 or x5 Mechanized Infantry Battalion (df)

BG CWUS-16

x1 Divisional Armored Cavalry Squadron (el)

MANOEUVRE ELEMENTS



ME CWUS-16

x4 Combat Engineer Company (dj)



ME CWUS-17

x3 Air Defence Battery (Vulcan) (d)



ME CWUS-18

x3 Air Defence Battery (Chaparral) (d)

FIRE SUPPORT ELEMENTS



FSE CWUS-01

x3 SP Field Artillery Battalion (d)



FSE CWUS-07

x1 SP Heavy Artillery Battalion (dg)

DIVISIONAL AVIATION ASSETS (ck)



x20 AH-1S Cobra Attack Helicopter (dh)

CWUS-61

-| |-

x18 OH-58 Kiowa Observation Helicopter (e) CWUS-57

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x10 UH-1D/H Iroquois Utility Helicopter (ej) CWUS-59

- (a) Brigades within a division were simply numbered 1st, 2nd or 3rd Brigades of a particular division. 'Combat Maneuver Battalions' (i.e. Armor or Mech Infantry) were then distributed to the Brigades as required by the tactical situation. An Infantry Division (Mech) initially had x4 Armored and x6 Mech Infantry Battalions. However, x1 Mech Infantry Battalion was replaced with x1 Armored Battalion under the 'Division 86' reorganisation, which meant that the division now had x5 Armoured and x5 Mech Infantry Battalions.
- (b) Generally only Independent ('Separate' in US parlance) Brigades would be assigned 'Armored' or 'Mechanised' designations and individual numbers. However, the exception to this rule was National Guard Brigades assigned to REFORGER divisions, which would come with their own unit identity (e.g. '48th Mech Infantry Brigade, Georgia National Guard' would become '3rd Brigade, 24th Infantry Division' in wartime). However, all this was academic in wartime, as units would get quickly mixed up as battlegroups would be formed, dispersed and then re-formed as the mission dictated.
- (c) A 4th (Aviation) Brigade was formed in each division as part of the 'Division 86' reorganisation. In peacetime the 4th (Aviation) Brigade held administrative responsibility for the Divisional Armoured Cavalry Squadron and the division's aviation assets. However, in wartime the brigade would function like any other in the division and would share, mix and match the division's Combat Maneuver Battalions, Cavalry Squadron and aviation assets as required by the tactical situation.
- **(d)** These elements were distributed among the division's brigades as required.
- **(e) x1 Armored Battalion** was added during the 'Division 86' reorganisation (see above).
- **(f) x1 Mech Infantry Battalion** was deleted under the 'Division 86' reorganisation (see above).
- (g) Mid-1980s: Heavy Artillery Battalions were all massed in the Corps Artillery Brigades (x2 in each Corps see FSE CWUS-11). Replace with x1 MLRS Battery (FSE CWUS-10).
- (h) Early-1980s: May replace AH-1S Cobra with:
 AH-1S Enhanced Cobra Attack Helicopter CWUS-62
- (i) From early 1980s: May replace x7 UH-1H/D Iroquois with: UH-60 Blackhawk Utility Helicopter CWUS-60
- (j) The divisional Combat Engineer Battalion also had a Bridging Company not shown here. Each Corps also had a Combat Engineer Brigade of three battalions, plus two additional Bridging Companies.
- **(k)** Each Corps also had an independent Combat Aviation Brigade (BG CWUS-27).
- (I) Each Corps also possessed an Armoured Cavalry Regiment (BG CWUS-12).



BATTLEGROUP CWUS-04

US Airborne Division 1980s (a)

BATTLEGROUPS



BG CWUS-07

x3 Airborne Brigade (bc)



BG CWUS-19

x1 Airborne Armored Battalion



BG CWUS-20

x1 Cavalry Squadron (Airborne) (c)

MANOEUVRE ELEMENTS



ME CWUS-19

x4 Combat Engineer Company (Light)



ME CWUS-20

x3 Air Defence Battery (Light)

DIVISIONAL AVIATION ASSETS (cde)



x9 AH-1S Cobra Attack Helicopter (efg)

CWUS-61



x15 OH-58 Kiowa Observation Helicopter (eh)CWUS-57



x15 UH-1D/H Iroquois Utility Helicopter (ei) CWUS-59





- (a) While there were two US divisions designated as 'Airborne' during the 1980s, only the 82nd Airborne Division was a true, traditional parachute formation. The 101st Airborne Division had been reorganised as a heli-borne Air Assault Division (BG CWUS-05). These divisions formed a part of the US XVIII Airborne Corps, along with 24th Infantry Division (Mech) (BG CWUS-02), two Separate REFORGER Heavy Brigades (BG CWUS-03 - 194th Armored Brigade and 197th Infantry Brigade (Mech)), a Combat Aviation Brigade consisting entirely of observation and transport helicopters, an Airborne Field Artillery Brigade (FSE CWUS-12), two Air Defence Brigades and an Engineer Brigade. The 10th Mountain Division (BG CWUS-06) was also added to XVIII Airborne Corps in 1986. 82nd Airborne Division was not permanently assigned to Europe as a REFORGER division, but could be rapidly deployed anywhere, which of course, includes Europe. A battalion group could be deployed within 24 hours, while a full brigade would take 3 days to deploy. The whole division could be deployed anywhere around the globe within 10 days.
- **(b)** These brigades were also designated as regiments (325th, 504th & 505th Parachute Infantry Regiments). However, in wartime the battalions could be mixed up and other units of various types (e.g. Armored Battalions if operating in a ground role) added from elsewhere, in which case the 'Brigade' designation would be more appropriate than 'Regiment'.
- **(c)** During the 'Division 86' reorganisations (as in the Heavy Divisions), a fourth (Aviation) Brigade was created from the headquarters of the divisional Aviation element. In peacetime this brigade contained all the divisional helicopters and the Cavalry Squadron, but in wartime the division's four brigades would all be mixed up as the tactical situation required.
- (d) Note that the Brigade HQs and the Cavalry Squadron each have their own integral helicopters, which are listed under those BGs.
- (e) Aviation assets may be distributed among the brigades as required.
- (f) Early-1980s: Replace AH-1S Cobra with: AH-1S Enhanced Cobra Attack Helicopter

CWUS-62

(g) Late 1980s: Replace all AH-1 Cobra types with: AH-64 Apache Attack Helicopter

CWUS-65

(h) Late-1980s: Replace x3 OH-58 Kiowa with: OH-58D Kiowa Warrior Observation Helicopter CV

CWUS-58

(i) Mid-1980s: Replace UH-1D/H Iroquois with: UH-60 Blackhawk Utility Helicopter

CWUS-60



BATTLEGROUP CWUS-05 US Air Assault Division 1980s (a)

BATTLEGROUPS



BG CWUS-08

x3 Air Assault Brigade (bc)

MANOEUVRE ELEMENTS



ME CWUS-19

x4 Combat Engineer Company (Light)



ME CWUS-20

x3 Air Defence Battery (Light)

DIVISIONAL AVIATION ASSETS (cde)



x42 AH-1S Cobra Attack Helicopter (efg)

CWUS-61



x29 OH-58 Kiowa Observation Helicopter (eh)CWUS-57



x39 UH-1D/H Iroquois Utility Helicopter (ei) CWUS-59



x24 CH-47 Chinook Transport Helicopter (ej) CWUS-67







- (a) The 101st Airborne Division (Air Assault) had by the 1980s, long given up its parachutes for helicopters and had been redesignated as 'Air Assault'. Along with 82nd Airborne Division, it formed a part of the US XVIII Airborne Corps, which also included 24th Infantry Division (Mech) (BG CWUS-02), two Separate REFORGER Heavy Brigades (BG CWUS-03 - 194th Armored Brigade and 197th Infantry Brigade (Mech)), a Combat Aviation Brigade consisting entirely of observation and transport helicopters, an Airborne Field Artillery Brigade (FSE CWUS-12), two Air Defence Brigades and an Engineer Brigade. The 10th Mountain Division (BG CWUS-06) was also added to XVIII Airborne Corps in 1986. 101st Airborne Division was not permanently assigned to Europe as a REFORGER division, but could be deployed by air anywhere, which of course, includes Europe. A brigade would take 10 days to deploy. The whole division could be deployed anywhere around the globe within 30
- **(b)** These brigades were also designated as regiments (187th, 327th & 507th Air Assault Infantry Regiments). However, in wartime the battalions could be mixed up and other units of various types (e.g. Armored Battalions if operating in a ground role) added from elsewhere, in which case the 'Brigade' designation would be more appropriate than 'Regiment'.
- (c) During the 'Division 86' reorganisations (as in the Heavy Divisions), a fourth (Aviation) Brigade was created from the headquarters of the divisional Aviation element. In peacetime this brigade contained all the divisional helicopters, but in wartime the division's four brigades would all be mixed up as the tactical situation required.
- (d) Note that the Brigade HQs each have their own integral helicopters, which are listed under BG CWUS-08.
- **(e)** Aviation assets may be distributed among the brigades as required.
- (f) Mid-1980s: Reduce to ${\bf x30}$ AH-1 Cobra. However, replace AH-1S Cobra with:

AH-1S Enhanced Cobra Attack Helicopter CWUS-62

- (g) Late 1980s: Replace x9 AH-1 Cobra types with:
 AH-64 Apache Attack Helicopter CWUS-65
- (h) Mid-1980s: Increase to x42 OH-58 Kiowa. Then during the late-1980s: Replace x3 OH-58 Kiowa with:

OH-58D Kiowa Warrior Observation Helicopter CWUS-58

(i) Mid-1980s: Increase to **x60** Utility Helicopters and replace UH-1D/H Iroquois with:

UH-60 Blackhawk Utility Helicopter CWUS-60

(j) Mid-1980s: Reduce to x12 CH-47 Chinook Heavy Transport Helicopters.



BATTLEGROUP CWUS-06

US Light Infantry Division 1980s (ab)

BATTLEGROUPS



BG CWUS-09

x3 Light Infantry Brigade (c)



BG CWUS-22

x1 Cavalry Squadron (Light) (c)

MANOEUVRE ELEMENTS



ME CWUS-19

x4 Combat Engineer Company (Light)



ME CWUS-20

x3 Air Defence Battery (Light)

FIRE SUPPORT ASSETS



FSE CWUS-06

x1 Field Artillery Battery

DIVISIONAL AVIATION ASSETS (c)



x10 AH-1S Cobra Attack Helicopter (c)

CWUS-61



x6 OH-58 Kiowa Observation Helicopter (c)

CWUS-57



x15 UH-1D/H Iroquois Utility Helicopter (c)

CWUS-59







- (a) The US Light Infantry Division was a brand-new concept that appeared in the mid-1980s and utilised the light mobility capability offered by the new M998 HMMWV utility vehicle. The only such formation likely to have been engaged in a European war was the newly-formed 10th (Mountain) Light Infantry Division, which had a contingency plan to reinforce ACE Mobile Force (Land) (AMF(L)) on NATO's 'Northern Flank'. This mission would most likely take it to Norway, but Denmark, Iceland, Greenland and the UK were other possibilities. The 4th Marine Amphibious Brigade was already assigned to this task (with the rest of 2nd Marine Division assigned as a contingency see BG CWUS-10), but the Northern Flank assumed greater and greater importance to NATO's strategic planners as the 1980s drew on and the 10th Mountain Division was ideally suited to the task.
- (b) 10th (Mountain) Light Infantry Division formed a part of the US XVIII Airborne Corps, along with 82nd Airborne Division, 101st Airborne Division (Air Assault), 24th Infantry Division (Mech) (BG CWUS-02), two Separate REFORGER Heavy Brigades (BG CWUS-03 194th Armored Brigade and 197th Infantry Brigade (Mech)), a Combat Aviation Brigade consisting entirely of observation and transport helicopters, an Airborne Field Artillery Brigade (FSE CWUS-12), two Air Defence Brigades and an Engineer Brigade. 10th Mountain Division was not permanently assigned to Europe as a REFORGER division, but could be rapidly deployed anywhere, which of course, includes Europe. The whole division could be deployed anywhere around the globe within 10 days.
- **(c)** The headquarters of the divisional Aviation element formed a Fourth (Aviation) Brigade within the division. In peacetime, this brigade was administratively responsible for the division's helicopters and the divisional Cavalry Squadron. However, during wartime, the three Light Infantry Brigades and one Aviation Brigade would have been totally mixed up, as the tactical situation required.
- (f) Mid-1980s: Replace AH-1S Cobra with: AH-1S Enhanced Cobra Attack Helicopter

CWUS-62





BATTLEGROUP CWUS-07 US Airborne Brigade 1980s (a)



Command x1 Commander

CWUS-36

T T

Transport x1 M151 MUTT (no MG) (b)

CWUS-33

BATTLEGROUPS



BG CWUS-17

x3 Parachute Infantry Battalion

MANOEUVRE ELEMENTS



ME CWUS-14

x1 Airborne Antitank Company

FIRE SUPPORT ELEMENTS



FSE CWUS-03

x1 Light Field Artillery Battalion

BRIGADE AVIATION ASSETS



x2 OH-58 Kiowa Observation Helicopter

CWUS-57

(a) Note that US Brigades were designed to be extremely flexible and could incorporate all types of units under command, including elements of the Divisional Troops and Aviation (see BG CWUS-04) and if operating in a ground role, maybe the odd Armored unit or other heavy support. This was especially true after the 'Division 86' reorganisations, which created a fourth (Aviation) Brigade, which could also command elements from the division's three infantry brigades.

(b) May replace Brigade Commander's transport with:

UH-1D/H Iroquois Utility Helicopter

CWUS-59

Or from mid-1980s with:

M998 HMMWV Utility Vehicle (no MG) UH-60 Blackhawk Utility Helicopter CWUS-34 CWUS-60







Command

x1 Commander

CWUS-36

Tra

Transport

x1 M151 MUTT (no MG) (b)

CWUS-33

BATTLEGROUPS



BG CWUS-18

x3 Air Assault Infantry Battalion

FIRE SUPPORT ELEMENTS



FSE CWUS-03

x1 Light Field Artillery Battalion

BRIGADE AVIATION ASSETS



x2 OH-58 Kiowa Observation Helicopter

CWUS-57

(a) Note that US Brigades were designed to be extremely flexible and could incorporate all types of units under command, including elements of the Divisional Troops and Aviation (see BG CWUS-05) and if operating in a ground role, maybe the odd Armored unit or other heavy support. This was especially true after the 'Division 86' reorganisations, which created a fourth (Aviation) Brigade, which could also command elements from the division's three infantry brigades.

(b) May replace Brigade Commander's transport with:

UH-1D/H Iroquois Utility Helicopter

CWUS-59

Or from mid-1980s with:

M998 HMMWV Utility Vehicle (no MG) UH-60 Blackhawk Utility Helicopter CWUS-34 CWUS-60

×

BATTLEGROUP CWUS-09 US Light Infantry Brigade 1980s (a)



Command

CWUS-36

•

x1 Commander

Transport x1 M998 HMMWV Utility Vehicle (no MG)

CWUS-34

BATTLEGROUPS



BG CWUS-17

x3 Light Infantry Battalion

FIRE SUPPORT ELEMENTS



FSE CWUS-03

x1 Light Field Artillery Battalion

(a) Note that US Brigades were designed to be extremely flexible and could incorporate all types of units under command, including elements of the Divisional Troops and Aviation (see BG CWUS-06) and if operating in a ground role, maybe the odd Armored unit or other heavy support. Remember also that the fourth (Aviation) Brigade could also command elements from the division's three infantry brigades.



BATTLEGROUP CWUS-10

US Marine Amphibious Brigade 1980s (a)



Command

x1 Commander (b)

CWUS-36

• Tran

Transport

x1 M151 MUTT Light Utility Vehicle (no MG) (c) CWUS-33

BATTLEGROUPS



BG CWUS-23

x2 or x3 Marine Infantry Battalion



BG CWUS-24

x1 Light Armored Vehicle Battalion (d)



Alternative:

BG CWUS-25

x1 Light Armored Infantry Battalion (de)

MANOEUVRE ELEMENTS (f)



ME CWUS-24

Marine Antitank Company



ME CWUS-25

x1 Marine Tank Company



ME CWUS-26

x1 Marine Assault Amphibian Company (g)



ME CWUS-27

x1 Marine Reconnaissance Company (o)



ME CWUS-19

x1 Combat Engineer Company (Light)



ME CWUS-28

x1 Medium SAM Battery (h)



ME CWUS-29

x1 Light SAM Platoon (i)



ME CWUS-30

x1 Marine Force Recon Detachment

FIRE SUPPORT ELEMENTS



FSE CWUS-05

Field Artillery Battalion (j)

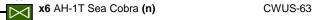
ORGANIC MARINE AVIATION ASSETS

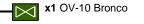
$\overline{\mathbb{N}}$	x12 F-4 Phantom II (k)
••	
\sim 1	x10 or x20 AV-8A Harrier (I)











CWUS-78

CWILIS-75

CWUS-72

CWUS-71

- (a) The wartime role of the 4th Marine Amphibious Brigade (4th MAB part of 2nd Marine Division) was to deploy to NATO's 'Northern Flank', i.e. Norway, Denmark, Iceland or Greenland. To that effect, 4 MAB trained periodically in northern Norway, along with the British 3rd Commando Brigade, Royal Dutch Marine Group, Canadian CAST Brigade and the Allied Command Europe Mobile Force (Land) Brigade (AMF(L)). From 1988 it had large stocks of equipment prepositioned in Norway to aid rapid deployment. 4th MAB comprised one of the 2nd Marine Division's three Marine Infantry Regiments on rotation, supported by a proportional amount of divisional assets. However, from 1983 the entire divisional LAV/LAI Battalion was allocated to support 4th MAB. It is of course possible that the entire 2nd Marine Division might have deployed to Europe, but 4th MAB was the only part of the division that trained in peacetime for that
- **(b)** Note that the Brigade also contained a second layer of command i.e. the HQ of the attached Marine Infantry Regimental Landing Team. However, for simplicity's sake, I've only included one Commander here.
- (c) From 1986: Replace M151 MUTT with: M998 HMMWV Utility Vehicle (no MG)

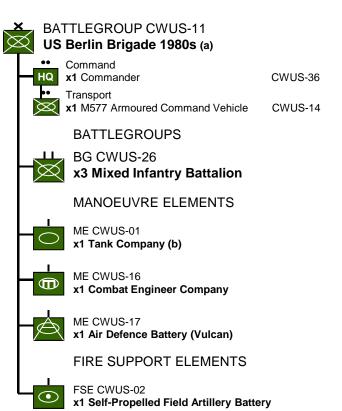
CWUS-34

CWUS-77

- (d) The LAV Battalion is only available from 1983 onwards. Note that the battalion had no organic infantry or support elements, as the concept of the LAV Battalion was to provide APC and light armoured recce support to the Marine Infantry Battalions, as required by the mission. However, this concept was found to be unsatisfactory in practice and the LAV Battalions were reorganised in 1988, to become Light Armoured Infantry Battalions. This reorganisation added organic infantry and support LAV variants to the unit.
- (e) The LAI Battalion is only available from 1988 (see above), replacing the LAV Battalion.
- **(f)** The Manoeuvre Elements were drawn from divisional support battalions (e.g. Tank Battalion, Engineer Battalion, etc).
- **(g)** The Assault Amphibian Company contains sufficient amphibious APCs to land and/or transport an entire Marine Infantry Battalion. Note that from 1985 the emphasis was placed more on providing APC support than on amphibious capability.
- (h) Equipped with I-Hawk SAMs.
- (i) Equipped with Redeye SAMs until 1982. Stinger thereafter.
- **(j)** Equipped with M114 155mm Howitzers until 1982. M198 155mm Howitzers thereafter.
- (k) In 1983: Replace F-4 Phantoms with: F/A-18 Hornet Fighter-Bomber
- (I) Late 1980s: Replace AV-8A Harriers with:
 AV-8B Harrier II Light Ground Attack Aircraft

 Some Marine Light Attack Squadrons were still using:
 A-4 Skyhawk Light Ground Attack Aircraft

 CWUS-70
- (m) The CH-46 Sea Knight helicopters were troop-carriers, while the CH-53 Super Stallions carried heavy weapons and light vehicles. The CH-53 was capable of carrying any LAV variant under-slung.
- (n) In 1986: Replace AH-1T Sea Cobra with:
 AH-1W Super Cobra Attack Helicopter CWUS-64
- (o) One source claims that the divisional Reconnaissance Battalion was disbanded in 1988, with the personnel used to form the dismountable elements of the new divisional LAI Battalion. However, some orders of battle persist in listing the Reconnaissance Battalion in addition to the LAI Battalion.



- (a) The US 199th Separate Infantry Brigade was otherwise known as the 'US Berlin Brigade', being permanently stationed in the city as the garrison of the US Sector. Each of the four nations represented in Berlin (USA, USSR, UK and France) was permitted by treaty to have no more than a single brigade in the city, which was to include no more than a single company of tanks.
- **(b)** Like the Armoured Squadron of the British Berlin Brigade, the Tank Company of the US Berlin Brigade 'bent the rules' of the treaty slightly in having an over-establishment strength of four platoons. It was equipped with M60A3 tanks until 1989, when it was re-equipped with M1 Abrams.







BATTLEGROUP CWUS-12 Armored Cavalry Regiment 1980s (a)

Command

HQ x1 Commander

CWUS-36

Transport

x1 M113 Armoured Cavalry Vehicle (b)

CWUS-13

Recce

Up to x1 M1 Abrams 105mm MBT (ij)

CWUS-06

BATTLEGROUPS

Ø

BG CWUS-15

x3 Armored Cavalry Squadron (c)

MANOEUVRE ELEMENTS

ME CWUS-16

x1 Combat Engineer Company



ME CWUS-17

x1 Air Defence Battery (Vulcan)

AIR CAVALRY SQUADRON ASSETS

-<u>×</u>

x12 AH-1S Cobra Attack Helicopter (def)

CWUS-61

-||

x12 OH-58 Kiowa Observation Helicopter (f) CWUS-57

x9 UH-1D/H Iroquois Utility Helicopter (fgh) CWUS-59



(a) There were two independent Armored Cavalry Regiments permanently stationed in CENTAG: 2nd Armored Cavalry Regiment reported to US VII Corps and 11th Armored Cavalry Regiment reported to US V Corps. Both were deployed well forward in peacetime, with 11th Cavalry being responsible for the area of the 'Fulda Gap' (the 'battlefield that never was'). The 3rd Armored Cavalry Regiment (under US III Corps in the USA) was a REFORGER unit, with its equipment pre-positioned in Germany. Its mission was to rapidly reinforce NORTHAG.

(b) Mid-1980s: Replace M113 with:

M3 Bradley Cavalry Fighting Vehicle

CWUS-10

Or in late 1980s with:

M3A1 Bradley Cavalry Fighting Vehicle

CWUS-11

Or in 1989 with:

M3A2 Bradley Cavalry Fighting Vehicle

CWUS-80

Note that there were major organisational changes in Armoured Cavalry Squadrons, associated with the introduction of the M3 Cavalry Fighting Vehicle. See BG CWUS-15.

(c) Note that in US Cavalry terminology, a 'Squadron' is a battalion-sized unit and a 'Troop' is a company-sized unit.

(d) From early-1980s: May replace AH-1S Cobra attack helicopters with:

AH-1S Enhanced Cobra Attack Helicopter

(e) In Late-1980s, 1st Armored Cavalry Regiment only: Replace x6 AH-1 Cobra variants with:

AH-64 Apache Attack Helicopter CWUS-

(f) Attack and Observation Helicopters were organised into three 'Air Cavalry Troops' of x3 OH-58 and x2 AH-1 and two 'Attack Troops' of x2 OH-58 and x3 AH-1 or AH-64. The Utility Helicopters were organised into Troops of x3 UHs.

(g) Mid-1980s: Replace UH-1D/H Iroquois with: UH-60 Blackhawk Utility Helicopter

CWUS-60

(h) Although I've not been able to confirm it in sources, I believe that these UHs had integral dismountable Scout Teams (which were definitely present in the Divisional Cavalry Squadrons until the 1980s). In this case, add:

x1 Commander CWUS-36 x9 Scout Team (no Dragon) CWUS-52

(i) The HQ tank was added during the organisational changes associated with the introduction of the M3 Bradley CFV.

(j) May replace the M1 Abrams with:

M1IP (Improved Protection) Abrams 105mm MBT CWUS-13 Or from 1987 with:

M1A1 Abrams 120mm Main Battle Tank CWUS-07



BATTLEGROUP CWUS-13 Tank Battalion (a)

Comma

x1 M60A1 105mm Main Battle Tank (c)

CWUS-03

MANOEUVRE ELEMENTS



ME CWUS-01

x3 or x4 Tank Company (ab)



ME CWUS-03

x1 Mechanized Reconnaissance Platoon

ATTACHMENTS

— <u>:</u>	Organic Fire Support x2 M30 107mm Mortar (e)	CWUS-49
•• ()	Transport x2 M106 107mm Mortar Carrier (e)	CWUS-15
 	x1 M48/M60 AVLB (f)	CWUS-21
- <u>:</u>	x2 Redeye SAM Team (gh)	CWUS-42
	Transport x2 M151 MUTT Light Utility (no MG) (hi)	CWUS-33
- -	Recce x2 Ground Surveillance Radar Set	no card
••	Transport x2 M151 MUTT (no MG) (i)	CWUS-33

- (a) As in the similarly professional British and Canadian armies, US combat battalions may form mission-oriented Battlegroups and Combat Teams. See the Modern Playtest Rules for details.
- (b) In the early 1980s, US Tank Battalions had x3 Companies, though from 1983-1986: Increase to x4 Tank Companies. This coincides with the upgrade to M1 Abrams and the slight decrease in Tank Company strength (see ME CWUS-01). All units, including National Guard, had completed the reorganisation by the end of 1986.
- (c) May replace M60A1 with: M60A2 'Starship' 152mm/ATGM Main Battle Tank (d) CWUS-04 M60A3 105mm Main Battle Tank CWUS-05 Or from 1982 with: M1 Abrams 105mm Main Battle Tank CWUS-06 Or from 1984 with: M1IP (Improved Protection) Abrams 105mm MBT CWUS-13 Or from 1987 with: M1A1 Abrams 120mm Main Battle Tank CWUS-07 Or in some REFORGER units, with: M48A5/A6 Patton 105mm Medium Tank CWUS-02
- (d) The M60A2 'Starship' was removed from service by 1981.
- (e) Mid-1980s: Increase to x3 M30 107mm Mortar & M106 Carrier.
- (f) Mid-1980s: Increase to x3 AVLBs.
- (g) From 1981: May replace Redeye SAMs with: Stinger SAM Team CWUS-43
- **(h)** Battalion Air Defence Sections were withdrawn in the mid-1980s, to be massed within the brigade and divisional Air Defence Batteries. However, tactically they would be deployed much as before, with sections allocated to combat battalions.
- (i) From 1985: May replace M151 MUTTs with:
 M998 HMMWV Utility Vehicle (no MG)
 CWUS-34



BATTLEGROUP CWUS-14 Mechanized Infantry Battalion (a)



x1 Commander CWUS-36

Transport

x1 M113 Armoured Personnel Carrier (b) CWUS-12

MANOEUVRE ELEMENTS



ME CWUS-02

x3 or x4 Mechanized Infantry Company (c)



ME CWUS-04

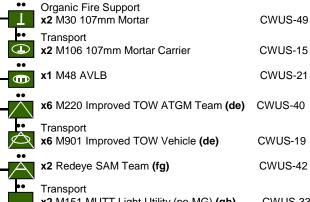
Up to x1 Mechanized Antitank Company (c)



ME CWUS-03

x1 Mechanized Reconnaissance Platoon

ATTACHMENTS





x2 M151 MUTT Light Utility (no MG) (gh)

CWUS-33

x2 Ground Surveillance Radar Set

no card

Transport

x2 M151 MUTT (no MG) (h)

CWUS-33





(a) As in the similarly professional British and Canadian armies, US combat battalions may form mission-oriented Battlegroups and Combat Teams. See the Modern Playtest Rules for details.

(b) From 1984: May replace M113 with: M2 Bradley Infantry Fighting Vehicle CWUS-08 Or in late 1980s with: M2A1 Bradley Infantry Fighting Vehicle CWUS-09 Or in 1989 with:

M2A2 Bradley Infantry Fighting Vehicle

(c) Until the 'Division 86' reorganisation, the Mechanized Infantry Battalion consisted of x3 Mechanized Infantry Companies (ME CWUS-02). However, the Division 86 reorganisation increased this to x4 Mechanized Infantry Companies and x1 Mechanized Antitank Company (ME CWUS-04).

(d) Mid-1980s: When the Mechanized Antitank Company is formed, delete these antitank teams.

(e) The M901 Improved TOW Vehicle had replaced the obsolete M150 in front-line units by the 1980s. However, the M150 persisted in some Reserve and National Guard REFORGER units. May therefore downgrade ITOW to TOW (see card) and replace M901 ITVs with:

M150 TOW ATGM Carrier CWUS-17

(f) From 1981: May replace Redeye SAMs with: Stinger SAM Team

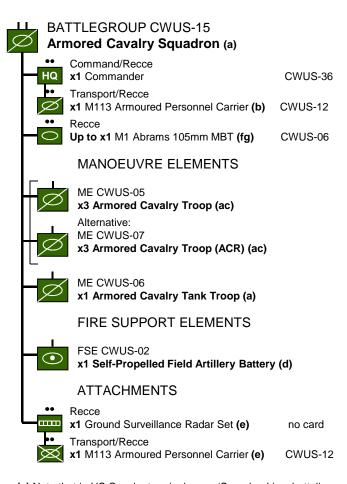
(g) Battalion Air Defence Sections were withdrawn in the mid-1980s, to be massed within the brigade and divisional Air Defence Batteries. However, tactically they would be deployed much as before, with sections allocated to combat battalions.

(h) From 1985: May replace M151 MUTTs with: M998 HMMWV Utility Vehicle (no MG)

CWUS-34

CWUS-43

CWUS-79



(a) Note that in US Cavalry terminology, a 'Squadron' is a battalionsized unit and a 'Troop' is a company-sized unit. Troops are then divided up into platoons. This is rather difficult for a Brit like me to get my head around...

(b) From mid-1980s: Replace M113 with:

M3 Bradley Cavalry Fighting Vehicle CWUS-10 Or in late 1980s with: M3A1 Bradley Cavalry Fighting Vehicle CWUS-11 Or in 1989 with: CWUS-80

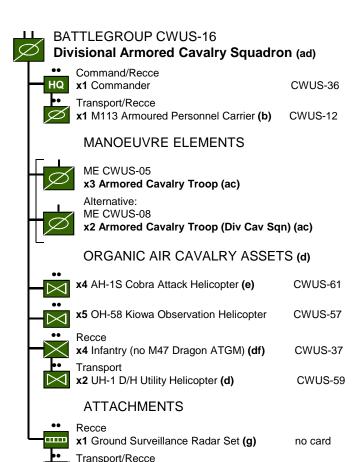
M3A2 Bradley Cavalry Fighting Vehicle

- (c) With the introduction of the M3 Bradley Cavalry Fighting Vehicle in the mid-1980s, the Armoured Cavalry Troops of Armored Cavalry Regiments adopted a new organisation, as per ME CWUS-
- (d) In typical US Cavalry style, the organic artillery battery was termed a 'Troop', though is organisationally identical to a normal US SP Field Battery.
- (e) The GSR set may operate mounted or dismounted from its transport.
- (f) The HQ tank was added during the organisational changes associated with the introduction of the M3 Bradley CFV.
- (g) May replace the M1 Abrams with:

M1IP (Improved Protection) Abrams 1-5mm MBT CWUS-13

Or from 1987 with:

M1A1 Abrams 120mm Main Battle Tank CWUS-07



(a) Note that in US Cavalry terminology, a 'Squadron' is a battalionsized unit and a 'Troop' is a company-sized unit. Troops are then divided up into platoons. This is rather difficult for a Brit like me to get my head around...

x1 M113 Armoured Personnel Carrier (g)

CWUS-12

(b) Mid-1980s: May replace M113 with:

M3 Bradley Cavalry Fighting Vehicle CWUS-10 Or in late 1980s with: M3A1 Bradley Cavalry Fighting Vehicle CWUS-11 Or in 1989 with: M3A2 Bradley Cavalry Fighting Vehicle CWUS-80

- (c) The Divisional Armored Cavalry Squadrons underwent a major organisational change during the mid-late 1980s, with the 'Division 86' reorganisation and the associated conversion from M113 APCs to M3 Bradley CFVs. The organisation of the Squadron's groundbased elements changed from x3 Armored Cavalry Troops (ME CWUS-05) to x2 Armored Cavalry Troops (MW CWUS-08). However, those divisions who did not receive M3 Bradley (most notably the 1st Armored, 4th Infantry, 5th Infantry and 8th Infantry Divisions) kept the old organisation into the 1990s.
- (d) The single, large Air Cavalry Troop was reorganised into two smaller Troops under the 'Division 86' reorganisation, though the overall number of OHs and AHs remained roughly the same. However, the airmobile Recon Platoon was deleted from the TO&E at this time.
- (e) From mid-1980s: May replace AH-1S Cobra attack helicopters with:

AH-1S Enhanced Cobra Attack Helicopter

- (f) When dismounted from their helicopters, designate one Scout Team in the Air Cavalry Scout Platoon as the platoon commander.
- (g) The GSR set may operate mounted or dismounted from its transport.

BATTLEGROUP CWUS-17 Parachute Infantry Battalion (d)

Command HQ

x1 Commander

CWUS-36

Transport

x1 M151 MUTT (no MG) (a)

CWUS-33

MANOEUVRE ELEMENTS



ME CWUS-09

x3 Airborne Infantry Company



ME CWUS-11

x1 Light Reconnaissance Platoon

ATTACHMENTS



(a) From mid-1980s: Replace M151 MUTT with: M998 HMMWV Utility Vehicle (no MG)

CWUS-34

- (b) The M220 ITOW ATGMs may be fired from their transport when
- (c) Late 1980s: May replace with TOW 2 (see card).
- (d) A single US Parachute Infantry Battalion was stationed in Italy as a quick reaction force for the whole Mediterranean and Middle Eastern region.





BATTLEGROUP CWUS-18 Air Assault Infantry Battalion (e)

Command x1 Commander

CWUS-36

Transport

x1 M151 MUTT (no MG) (a)

CWUS-33

MANOEUVRE ELEMENTS



ME CWUS-09

x3 Airborne Infantry Company



ME CWUS-11

x1 Light Reconnaissance Platoon

ATTACHMENTS

Organic Fire Support **x6** M29 81mm Mortar (bc) x6 M151 MUTT (no MG) (a)

CWUS-48

CWUS-33

x3 M220 Improved TOW ATGM Team (de) CWUS-40

Transport

x3 M151 MUTT (no MG) (ad) CWUS-33

x2 Ground Surveillance Radar Set

Transport

x2 M151 MUTT (no MG) (a)

no card CWUS-33

CWUS-42

CWUS-33

CWUS-34

x2 Stinger SAM Team Transport

x2 M151 MUTT (no MG) (a) (a) From mid-1980s: Replace M151 MUTT with:

(b) The mortars were organised into two platoons.

M998 HMMWV Utility Vehicle (no MG)

- (c) From 1987: Replace M29 81mm Mortar with M252 81mm Mortar (see card).
- (d) The M220 TOW ATGMs may be fired from their transport when
- (e) Late 1980s: May replace with TOW 2 (see card).





BATTLEGROUP CWUS-19 Airborne Armored Battalion



Command

x1 M551 Sheridan 152mm Light Tank

CWUS-01





ME CWUS-10

x3 Airborne Tank Company



ME CWUS-11

x1 Light Reconnaissance Platoon

ATTACHMENTS



Organic Fire Support x2 M30 107mm Mortar (a)

CWUS-49

Transport

x2 M106 107mm Mortar Carrier (a)

CWUS-15

x2 Redeye SAM Team (gh)

CWUS-42

Transport

x2 M151 MUTT Light Utility (no MG) (hi) **CWUS-33**

- (a) Mid-1980s: Increase to x3 M30 107mm Mortar & M106 Carrier.
- (b) From 1981: May replace Redeve SAMs with: Stinger SAM Team

CWUS-43

- (h) Battalion Air Defence Sections were withdrawn in the mid-1980s, to be massed within the brigade and divisional Air Defence Batteries. However, tactically they would be deployed much as before, with sections allocated to combat battalions.
- (i) From 1985: May replace M151 MUTTs with: M998 HMMWV Utility Vehicle (no MG)

CWUS-34



BATTLEGROUP CWUS-20 Cavalry Squadron (Airborne)



Command

x1 Commander

CWUS-36

Transport

x1 M151 MUTT (no MG) (ab)

CWUS-33

MANOEUVRE ELEMENTS



ME CWUS-15

x1 Cavalry Troop (Light)

ATTACHMENTS



x3 M220 Improved TOW ATGM Team (ch)

CWUS-40

Transport

x3 M151 MUTT (no MG) (ac)

CWUS-33

ORGANIC AIR CAVALRY ASSETS



x6 AH-1S Cobra Attack Helicopter (d)

CWUS-61

x9 OH-58 Kiowa Observation Helicopter

CWUS-57

x8 Scout Team (no M47 Dragon ATGM) (ef) CWUS-52

Transport

x4 UH-1D/H Utility Helicopter (f)

CWUS-59

(a) From 1985: May replace M151 MUTTs with:

M998 HMMWV Utility Vehicle (no MG)

CWUS-34

CWUS-59

(b) May replace commander's transport with:

UH-1 D/H Iroquois Utility Helicopter

Or from early 1980s with: CWUS-60 UH-60 Blackhawk Utility Helicopter

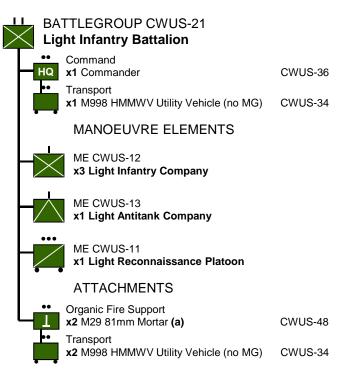
- (c) May fire M220 TOW ATGMs from transport when mounted.
- (d) From mid-1980s: May replace AH-1S Cobra attack helicopters

AH-1S Enhanced Cobra Attack Helicopter

CWUS-62

CWUS-60

- (e) These troops form two Air Cavalry Scout Platoons. When dismounted from their helicopters, designate one Scout Team in each Air Cavalry Scout Platoon as the platoon commander.
- (f) From 1988: May replace M72 66mm LAW with M136 84mm LAW as the squad light antitank weapon (see card).
- (g) From early 1980s: Replace UH-1D/H Iroquois with: UH-60 Blackhawk Utility Helicopter
- (h) Late 1980s: May replace Improved TOW ATGM with TOW 2 ATGM (see card).



(a) From 1987: May replace M29 81mm Mortar with M252 81mm Mortar (see card).





BATTLEGROUP CWUS-20 Cavalry Squadron (Light) (e)

Command

x1 Commander CWUS-36

Transport

x1 M151 MUTT (no MG) (a) CWUS-33

MANOEUVRE ELEMENTS



ME CWUS-15

x2 Cavalry Troop (Light)

ATTACHMENTS



x3 M220 TOW ATGM Team (bc) CWUS-40

Transport

x3 M151 MUTT (no MG) (ab)

ORGANIC AIR CAVALRY ASSETS



x4 AH-1S Cobra Attack Helicopter (d) CWUS-61

x6 OH-58 Kiowa Observation Helicopter **CWUS-57**

(a) From 1985: May replace M151 MUTTs with: M998 HMMWV Utility Vehicle (no MG)

CWUS-34

CWUS-33

- (b) May fire M220 TOW ATGMs from transport when mounted.
- (c) May replace M220 TOW ATGM with Improved TOW or in Late 1980s with TOW 2 (see card).
- (d) From mid-1980s: May replace AH-1S Cobra attack helicopters

AH-1S Enhanced Cobra Attack Helicopter CWUS-62

(e) In 9th Infantry Division, add the following to the HQ:

CWUS-52 x3 Scout Team (no Dragon or AT-4) x3 All-Terrain Motorcycle **CWUS-81** x1 M998 HMMWV (no MG but with GSR fitted) CWUS-34

BATTLEGROUP CWUS-23 Marine Infantry Battalion

Command HQ x1 Commander

CWUS-36

Transport

x1 M151 MUTT Light Utility (no MG) (a)

CWUS-33

MANOEUVRE ELEMENTS



ME CWUS-21

x3 or x4 Marine Infantry Company (b)

ATTACHMENTS

x2 Marine Recon Team

CWUS-53

x12 M47 Dragon ATGM Team (c)

CWUS-41

Organic Fire Support x4 M29 81mm Mortar (f)

CWUS-48

Transport

x4 M151 MUTT Light Utility (no MG) (a)

CWUS-33

x8 M2 .50 Cal Heavy Machine Gun (cd)

CWUS-45

Transport

x8 M151 MUTT Light Utility (no MG) (ad)

CWUS-33

FIRE SUPPORT ATTACHMENTS



Naval Shore Fire Control Party

x1 Forward Observer

CWUS-54

Tactical Air Control Party x1 Forward Observer

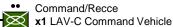
CWUS-54

(a) From 1986: Replace M151 MUTT Light Utility Vehicles with: M998 HMMWV Utility Vehicle (no MG) (b)

- (b) Early 1980s: The strength of Marine Infantry Battalions was decreased from x4 to x3 Infantry Companies.
- (c) Mid-1980s: Increase to x13 M47 Dragon ATGM Teams (Marine Companies also get an organic Dragon section at this time).
- (d) Mid-1980s: Replace x5 M2 .50 Cal Heavy Machine Guns with: Mk 19 40mm Automatic Grenade Launcher (e) CWUS-46
- (e) Mk 19 Grenade Launchers and M2 .50 Cal HMGs may be fired from their vehicles when mounted.
- (f) From 1989: May replace M29 81mm Mortar with M252 81mm Mortar (see card).



BATTLEGROUP CWUS-24 Marine Light Armored Vehicle Battalion



CWUS-26

MANOEUVRE ELEMENTS



ME CWUS-22

x3 Marine Light Armored Vehicle Company





BATTLEGROUP CWUS-25 Marine Light Armored Infantry Battalion

Command
x1 Commander
CWUS-36
Transport
x1 LAV-C Command Vehicle
CWUS-26

MANOEUVRE ELEMENTS



ME CWUS-23

x4 Marine Light Armored Infantry Company

ATTACHMENTS



x8 LAV-AT Improved TOW ATGM Vehicles CWUS-28



Organic Fire Support

x4 M29 81mm Mortar (a)

CWUS-48



Transport

x4 LAV-M 81mm Mortar Carrier

CWUS-27

FIRE SUPPORT ATTACHMENTS



Naval Gunfire Shore Fire Control Party

x1 Forward Observer

CWUS-54

Tactical Air Control Party

x1 Forward Observer CWUS-54

(a) From 1987: May replace M29 81mm Mortar with M252 81mm Mortar (see card).

BATTLEGROUP CWUS-26 Mixed Infantry Battalion (a)

Command

HQ x1 Comma

x1 Commander CWUS-36

Transport

x1 M151 MUTT Light Utility (no MG) (h)

CWUS-33

CWUS-33

MANOEUVRE ELEMENTS



ME CWUS-12

x3 or x4 Light Infantry Company (a)



ME CWUS-04

Up to x1 Mechanized Antitank Company (a)



ME CWUS-11

Transport

x1 Light Reconnaissance Platoon

ATTACHMENTS

Organic Fire Support x2 107mm Mortar (d) CWUS-49 Transport x2 M106 107mm Mortar Carrier **CWUS-15** Organic Fire Support x4 M29 81mm Mortar (dh) **CWUS-48** Transport x4 M125 81mm Mortar Carrier CWUS-16 General-Purpose Transport x5 M113 Armoured Personnel Carrier CWUS-12 x6 M220 Improved TOW ATGM Team (cd) CWUS-40 Transport x6 M901 Improved TOW Vehicle (c) **CWUS-19** x2 Redeye SAM Team (ef) CWUS-42

(a) These battalions initially had x3 Infantry Companies, but were expanded in the mid-1980s: Increase to x4 Light Infantry Companies an add x1 Mechanised Antitank Company (ME CWUS-04).

x2 M151 MUTT Light Utility (no MG) (fg)

- **(b)** These APCs were pooled centrally, to be issued to Light Infantry Companies as required.
- (c) Mid-1980s: When the Mechanised Antitank Company is formed, delete these antitank teams.
- (d) These weapons may be fired from their carriers when mounted.
- (e) From 1981: May replace Redeye SAMs with: Stinger SAM Team CWUS-43
- **(f)** Battalion Air Defence Sections were withdrawn in the mid-1980s, to be massed within the brigade and divisional Air Defence Batteries. However, tactically they would be deployed much as before, with sections allocated to combat battalions.
- (g) From 1985: May replace M151 MUTTs with:
 M998 HMMWV Utility Vehicle (no MG)
 CWUS-34
- (h) From 1987: May replace M29 81mm Mortar with M252 81mm Mortar (see card).

BATTLEGROUP CWUS-27 Corps Combat Aviation Brigade

x27 AH-1S Cobra Attack Helicopter (a) CWUS-61

x17 OH-58 Kiowa Observation Helicopter (bd)CWUS-57

x35 UH-1D/H Iroquois Utility Helicopter (cd) CWUS-59

x16 CH-47 Chinook Transport Helicopter (d) CWUS-67

(a) From Early 1980s: May replace AH-1S Cobras with:

AH-1S Enhanced Cobra Attack Helicopter CWUS-62

Or in late 1980s with:

AH-64 Apache Attack Helicopter CWUS-65

(b) Late 1980s: Replace x7 OH-58 Kiowa with:

OH-58D Kiowa Warrior Observation Helicopter CWUS-58

(c) Mid-1980s: Replace x20 UH-1D/H Iroquois with: UH-60 Blackhawk Utility Helicopter

CWUS-60

(d) US III Corps (the main REFORGER formation in the USA) had only three Attack Helicopter Battalions in its Combat Aviation Brigade and no Transport Helicopter Battalion, so delete all UH-1s, UH-60s and CH-47s.

(e) US XVIII Airborne Corps had no Attack Helicopter Battalions in its Combat Aviation Brigade, so delete all AH-1s & AH-64s, plus **x5** OH-58s.







General Note Regarding US Army AH-1 Cobra Variants

Identifying the sub-types of US Army AH-1 Cobras in use during the 1980s is a very complicated subject, so here's a précis:

At the start of the 1980s, the main US Army variant of the AH-1 Cobra gunship was the AH-1S. This type featured a TOW ATGM capability, plus a gun turret mounting a paired Minigun and 40mm automatic grenade launcher. This type was often known as the 'AH-1S Production' or 'AH-1S Prod' and is represented by unit card CWUS-61. There were also older AH-1Q and AH-1R models still in reserve service and these are also best represented by unit card CWUS-61, as they had much the same armament, including TOW ATGM capability.

There were even a number of Vietnam-era AH-1G Cobras still in service, which only had a single turreted Minigun and lacked the TOW capability of the other types (use CWUS-61 but without the TOW ATGM capability).

Almost immediately, a programme of upgrades for early-production AH-1S Cobras was instigated, adding a 20mm rotary cannon and other improvements to the design. These were known as the AH-1S Enhanced and all newly-built Cobras aircraft were now of this type, represented by unit card CWUS-62. All surviving AH-1G, Q and R models were also brought up to this specification, being designated as 'AH-1S Modernized' (use CWUS-62).

To create extra confusion, in 1988 the US Army gave the three AH-1S variants new designations: The remaining 'AH-1S Prod' models were designated as AH-1P, the 'AH-1S Enhanced' became AH-1E and the 'AH-1S Modernized' became the AH-1F.



BATTLEGROUP CWUS-28

US Infantry Division (Motorized) 1980s (a)

BATTLEGROUPS (BRIGADE HEADQUARTERS)



BG CWUS-29

x3 Combined Arms Brigade Headquarters (b)

HQ

Command x1 Commander

CWUS-36

Transport

x1 M998 HMMWV Utility Vehicle (no MG) CWUS-34



BG CWUS-29

x1 Aviation Brigade Headquarters (bc)

HQ

Command x1 Commander

CWUS-36

Transport

x1 M998 HMMWV Utility Vehicle (no MG) CWUS-34

BATTLEGROUPS (MANEUVER BATTALIONS)



BG CWUS-30

x5 Combined Arms Battalion (Heavy) (de)



BG CWUS-31

x2 Combined Arms Battalion (Light)



BG CWUS-32

x2 Light Attack Battalion



BG CWUS-22

x1 Cavalry Squadron (Light)

MANOEUVRE ELEMENTS



ME CWUS-19

x4 Combat Engineer Company (Light)



ME CWUS-17

x4 Air Defence Battery (Vulcan)



ME CWUS-18

x2 Air Defence Battery (Chaparral)

FIRE SUPPORT ELEMENTS



FSE CWUS-05

x3 Field Artillery Battalion (f)



FSE CWUS-03

x1 Light Field Artillery Battalion



FSE CWUS-10

x1 MLRS Battery (g)

DIVISIONAL AVIATION ASSETS (h)



x10 AH-1S Enhanced Cobra Attack Helicopter CWUS-62



x9 OH-58 Kiowa Observation Helicopter **CWUS-57**



x3 UH-1D/H Iroquois Utility Helicopter

CWUS-59

x8 UH-60A Blackhawk Utility Helicopter

CWUS-60

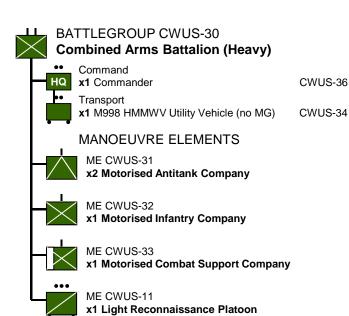


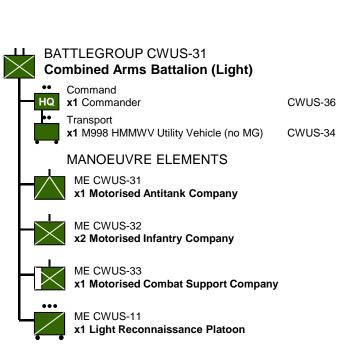
- (a) The 9th Infantry Division was the only such formation and was created during the early 1980s to function as a rapidly airdeployable, motorised light infantry division, specialising in high technology to defeat heavy enemy forces. It was originally intended that the division would primarily concentrate on warfare in the Middle East with support for NATO as a secondary role. In the event, a lot of the high-tech equipment (such as Fast Attack Vehicles) never materialised and reinforcement of NATO's LandJut Corps became the division's primary wartime mission. Thanks to budget cuts in 1987, the division also lost its raison d'être, in that one of its Brigades was replaced by a conventional Heavy Brigade. This was followed by the conversion of one of the remaining two light brigades to Heavy from 1988 onwards.
- (b) In wartime, the three 'Combined Arms' Brigades and the Aviation Brigade are mixed up, with each forming a missionoriented brigade group from the division's 'Maneuver Battalions', plus divisional assets.
- (c) In 1987: Replace x1 Combined Arms Brigade Headquarters with x1 Heavy Brigade Headquarters (BG CWUS-03). This was a National Guard Heavy 'Round-out' Brigade.
- (d) In 1987: Delete x3 Combined Arms Battalions (Heavy) and add:
 - x2 Armored Battalion (BG CWUS-13)
 - x2 Mechanized Infantry Battalion (BG CWUS-14)
 - x1 Armored Cavalry Troop (ME CWUS-05)

Note that these were National Guard units and were probably equipped with M60A1 or M60A3 tanks, with M113 APCs and no Abrams or Bradley.

- (e) In 1988: Add x1 additional Armored Battalion (BG CWUS-13). This was a regular Army unit, equipped with M60A3. As discussed above, it was intended that a full Combined Arms Brigade would be converted to a Heavy Brigade, though this was only partially completed, with only one battalion being converted before the end of 1989.
- (f) In 1987, replace x1 Field Artillery Battalion with x1 SP Field Artillery Battalion (FSE CWUS-01).
- (g) The MLRS Battery comes under the command of the Light Field Artillery Battalion.
- (h) Note that this does not include the helicopters of the Cavalry Squadron (Light).

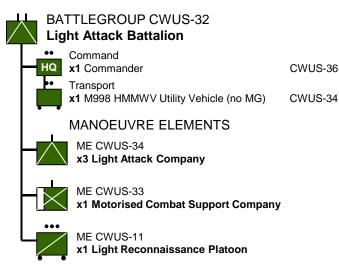
















MANOEUVRE ELEMENT CWUS-01 Tank Company (c)



Command

x1 M60A1 105mm Main Battle Tank (a)

CWUS-03

x7 M60A1 105mm Main Battle Tank (ad)

CWUS-03

(a) May replace M60A1 with:

M60A2 'Starship' 152mm/ATGM Main Battle Tank (b) CWUS-04 M60A3 105mm Main Battle Tank CWUS-05

Or from 1982 with:

M1 Abrams 105mm Main Battle Tank (e) CWUS-06

Or from 1984 with:

IPM1 Abrams (Improved Protection) 105mm MBT CWUS-13

Or from 1987 with:

M1A1 Abrams 120mm Main Battle Tank (e) CWUS-07

Or in some REFORGER units, with:

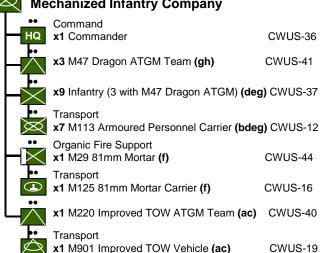
M48A5/A6 Patton 105mm Medium Tank

CWUS-02

- (b) The M60A2 'Starship' was removed from service by 1981.
- (c) May alternatively be fielded as x3 platoon-sized MEs, each of x2 tanks. Designate one tank in the platoon as the Platoon Commander.
- (d) In the US Berlin Brigade: add x2 Main Battle Tanks (the Berlin Brigade Tank Company had an extra platoon).
- (e) In Tank Companies equipped with M1, IPM1 or M1A1 Abrams, reduce strength to x1 Command Abrams and x6 Abrams. All remaining M48 and M60-equipped units, including National Guard, soon followed suit and had completed the reorganisation by the end of 1986. This was done in concert with the change from x3 to x4 Companies in the Battalion. (see BG CWUS-13).



MANOEUVRE ELEMENT CWUS-02 **Mechanized Infantry Company**



(a) The M901 Improved TOW Vehicle had replaced the obsolete M150 in front-line units by the 1980s. However, the M150 persisted in some Reserve and National Guard REFORGER units. May therefore downgrade ITOW to TOW (see card) and replace M901 ITVs with:

M150 TOW ATGM Carrier CWUS-17

(b) From 1984: May replace M113 APCs with:

M2 Bradley Infantry Fighting Vehicle CWUS-08

Or in late 1980s with:

M2A1 Bradley Infantry Fighting Vehicle CWUS-09

Or in 1989 with:

M2A2 Bradley Infantry Fighting Vehicle CWUS-80

- (c) If the unit is equipped with Bradley IFVs, delete the TOW ATGM
- (d) When in prepared defensive positions, the company may dismount x1 .50 Cal HMG from an M113 APC (N.B. this option is not therefore possible if M2 Bradleys are fielded). In which case, replace x1 Infantry with:

M2 .50 Cal Heavy Machine Gun CWUS-45 Use the stats on the M577 Command Vehicle card (CWUS-14) for any disarmed M113.

- (e) From 1988: May replace M72 66mm LAW with M136 84mm LAW as the squad light antitank weapon (see card).
- (f) Mid-1980s: Delete M29 81mm Mortar and M125 Carrier.
- (g) When Dragon-armed Infantry Squads and M47 Dragon ATGM Teams are mounted, the Dragon may be fired from its M113 transport (this is not possible for Bradleys). Alternatively, the Dragon may be left mounted as a vehicle weapon when the Infantry Squad dismounts (in which case it may not bail out if the vehicle is hit).
- (h) The separate M47 Dragon ATGM teams account for the fact that each platoon had four Dragon teams: one in each infantry squad and one in each Platoon HQ, for a total of 12 Dragon launchers (x6 in game terms) in each company. US platoons were also reasonably large, so had sufficient personnel to justify this increase in ME strength.

MANOEUVRE ELEMENT CWUS-03 Mechanized Scout Platoon

Command/Recce
x1 Commander
Recce
x3 Scout Team (1 with M47 Dragon) (c)
CWUS-52
Transport/Recce
x2 M113 Armoured Personnel Carrier (abc)
Recce
x1 M220 Improved TOW ATGM Team (d)
Recce/Transport
x1 M901 Improved TOW Vehicle (d)
CWUS-17

(a) From 1984: May replace all M113 and M901 with:

x3 M3 Bradley Cavalry Fighting Vehicle
Or in late 1980s with:

x3 M3A1 Bradley Cavalry Fighting Vehicle
CWUS-11
Or in 1989 with:

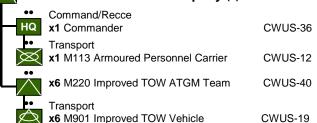
M3A2 Bradley Cavalry Fighting Vehicle
CWUS-80

The intention during the 1980s was to replace M113s with M2/M3 Bradleys. However, Bradley production was very slow and by the late 1980s there were still many units in Germany and a great many more in the USA continuing to use M113s.

- (b) Some sources suggest that an effort was made to equip at least the Scout Platoons with M3 Bradley CFVs, even in battalions equipped with M113s, though some ex-US soldiers dispute this and are adamant that M3 Bradleys only ever went to Bradley-equipped battalions.
- (c) When Dragon-armed Infantry Squads mounted, the Dragons may be fired from their M113 transports. Alternatively, the Dragon may be left mounted as a vehicle weapon when an Infantry Squad dismounts (in which case it may not bail out if the vehicle is hit).
- (d) The M901 Improved TOW Vehicle had replaced the obsolete M150 in front-line units by the 1980s. However, the M150 persisted in some Reserve and National Guard REFORGER units. May therefore downgrade ITOW to TOW (see card) and replace M901 ITVs with:

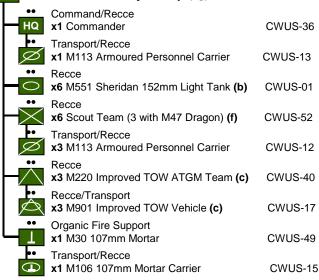
M150 TOW ATGM Carrier CWUS-17

MANOEUVRE ELEMENT CWUS-04 Mechanized Antitank Company (a)



(a) May alternatively be fielded as x3 platoon-sized MEs, each of x2 vehicles. Designate one vehicle in the platoon as the Platoon Commander.

MANOEUVRE ELEMENT CWUS-05 Armoured Cavalry Troop (ag)



- (a) May alternatively be fielded as x3 Armoured Cavalry Platoons, each of x2 tanks, x1 TOW/ITOW Team, x1 M150/M901, x2 Scout Team and x1 M113 (designate x1 M113 in each platoon as the Platoon Commander).
- **(b)** The M551 Sheridan Light Tank had been retired from service by 1981 in all units except 82nd Airborne Division. Replace Sheridan Light Tanks with:

M60A1 105mm Main Battle Tank	CWUS-03
M60A2 'Starship' 152mm Main Battle Tank (d)	CWUS-04
M60A3 105mm Main Battle Tank	CWUS-05

CWUS-05

Or from 1983 in Armoured Cavalry Regiments with: M1 Abrams 105mm Main Battle Tank (e)

M1 Abrams 105mm Main Battle Tank **(e)**Or from 1984 in Armoured Cavalry Regiments with:

M1IP (Improved Protection) Abrams 105mm MBT (e) CWUS-13

Or from 1987 in Armoured Cavalry Regiments with:

M1A1 Abrams 120mm Main Battle Tank (e) CWUS-06

(c) The M901 Improved TOW Vehicle had replaced the obsolete M150 in front-line units by the 1980s. However, the M150 persisted in some Reserve and National Guard REFORGER units. May therefore downgrade ITOW to TOW (see card) and replace M901 ITVs with:

M150 TOW ATGM Carrier CWUS-17

- (d) Like the Sheridan, which shared its inadequate 152mm gun/missile weapon system, the M60A2 'Starship' was retired by 1981 (the 11th Armored Cavalry Regiment suffered with both types of tank for a time during the late 1970s).
- **(e)** M1 Abrams was never adopted by Divisional Cavalry Squadrons before the end of the 1980s, only by Armoured Cavalry Regiments.
- (f) From 1988: May replace M72 66mm LAW with M136 84mm LAW as the squad light antitank weapon (see card).
- (g) This organisation was used by the Armoured Cavalry Troops of both Armoured Cavalry Regiments and Divisional Cavalry Squadrons until the introduction of the M3 Bradley Cavalry Fighting Vehicle from the mid-1980s. At that point, these units adopted very different organisations, as shown in ME CWUS-07 (Armoured Cavalry Regiments) and ME CWUS-08 (Divisional Cavalry Squadrons). However, the Divisional Cavalry Squadrons of the 1st Armored Division and 4th, 5th and 8th Infantry Divisions did not receive M3 Bradley before the end of the 1980s, so persisted with this organisation.

MANOEUVRE ELEMENT CWUS-06 Armored Cavalry Tank Troop (b)

Command/Recce

x1 M551 Sheridan 152mm Light Tank (ac) CWUS-01

x7 M551 Sheridan 152mm Light Tank (ac) CWUS-01

(a) The M551 Sheridan Light Tank had been retired from service by 1981 in all units except 82nd Airborne Division. Replace Sheridan Light Tanks with:

M60A1 105mm Main Battle Tank	CWUS-03
M60A3 105mm Main Battle Tank	CWUS-05
Or from 1983 with:	
M1 Abrams 105mm Main Battle Tank (c)	CWUS-05
Or from 1984 with:	
M1IP (Improved Protection) Abrams 105mm MBT	CWUS-13
Or in Late 1980s, may replace with:	

M1A1 Abrams 120mm Main Battle Tank (c)

(b) May alternatively be fielded as x3 platoon-sized MEs, each of x2 tanks. Designate one tank in the platoon as the Platoon

CWUS-06

(c) 11th ACR adopted M1 Abrams in 1983, followed by 2nd ACR in 1984. Armoured Cavalry Tank Troops equipped with Abrams kept the old organisation for a time, but then adopted a weaker organisation with the arrival of M3 Bradley and the general reorganisation that came with the new vehicle. The Tank Troops then had an organisation of x1 Command Abrams and x6 Abrams.









Command/Recce x1 Commander HQ

CWUS-36

Transport/Recce

x1 M3 Bradley Cavalry Fighting Vehicle (b) CWUS-09

x4 M1 Abrams 105mm Main Battle Tank (c) CWUS-05 Recce

x6 Scout Team (2 with M47 Dragon) (e) CWUS-52

Transport/Recce

x6 M3 Bradley Cavalry Fighting Vehicle (b) CWUS-09

Organic Fire Support

x1 M30 107mm Mortar CWUS-49

Transport/Recce

x1 M106 107mm Mortar Carrier CWUS-15

(a) May alternatively be fielded as x2 Tank Platoons, each of x2 Abrams (designate x1 Abrams in each platoon as the Platoon Commander) and x2 Scout Platoons, each of x3 Scout Teams and x3 M3 Bradley (designate x1 Scout Team in each platoon as the Platoon Commander).

(b) In late 1980s, may replace all M3 Bradleys with:

M3A1 Bradley Cavalry Fighting Vehicle CWUS-10

Or in 1989 with:

M3A2 Bradley Cavalry Fighting Vehicle CWUS-80

(c) May replace M1 Abrams with:

M1IP (Improved Protection) Abrams 105mm MBT CWUS-13

Or from 1987 with:

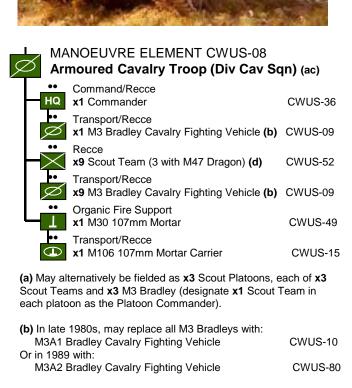
M1A1 Abrams 120mm Main Battle Tank CWUS-06

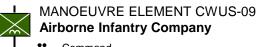
(d) This organisation was used by the Armoured Cavalry Troops of Armoured Cavalry Regiments following the adoption of M3 Bradley Cavalry Fighting Vehicles during the mid-1980s. The Armoured Cavalry Troops of Divisional Cavalry Squadrons adopted a different organisation, shown at ME CWUS-08.

(e) From 1988: May replace M72 66mm LAW with M136 84mm LAW as the squad light antitank weapon (see card).



- (c) This organisation was used by the Armoured Cavalry Troops of Divisional Cavalry Squadrons, following the adoption of M3 Bradley Cavalry Fighting Vehicles during the mid-1980s. The Armoured Cavalry Troops of Armoured Cavalry Regiments adopted a different organisation at this time, shown at ME CWUS-08. Note that some units (most notably the Divisional Cavalry Squadrons of the 1st Armored, 4th Infantry, 5th Infantry and 8th Infantry Divisions) did not receive M3 Bradleys and seem to have persisted with the old organisation, as shown at ME CWUS-05.
- (d) From 1988: May replace M72 66mm LAW with M136 84mm LAW as the squad light antitank weapon (see card).





Airborne Infantry Company

Command
x1 Commander

CWUS-36

x9 Infantry (3 with M47 Dragon ATGM) (e)

CWUS-37

Organic Fire Support
x1 M29 81mm Mortar (ad)

Transport
x1 M151 MUTT (no MG) (ad)

CWUS-48

Transport
x1 M220 Improved TOW ATGM Team (abc)

Transport
x1 M151 MUTT (no MG) (ab)

CWUS-33

(a) Mid-1980s: The organisation was lightened. Replace 81mm Mortar, TOW ATGM & transports with:

x3 M60E3 General Purpose Machine Gun
CWUS-44
x1 M224 60mm Mortar
CWUS-47

- (b) TOW ATGM may be fired from transport when mounted.
- (c) Late 1980s: Replace ITOW ATGM with TOW 2 (see card).
- (d) In an Air Assault Battalion (101st Airborne Division (Air Assault)): Delete the 81mm Mortar section.
- **(e)** From 1988: May replace M72 66mm LAW with M136 84mm LAW as the squad light antitank weapon (see card).

MANOEUVRE ELEMENT CWUS-10 Airborne Tank Company (a)



Command

x1 M551 Sheridan 152mm Light Tank CWUS-01

x6 M551 Sheridan 152mm Light Tank CWUS-01

(a) May alternatively be fielded as x3 platoon-sized MEs, each of x2 tanks. Designate one tank in the platoon as the Platoon Commander



MANOEUVRE ELEMENT CWUS-11 Light Reconnaissance Platoon



Command/Recce x1 Commander

Commander CWUS-36

Recce

x3 Scout Team (with M47 Dragon ATGM) CWUS-52

Transport

x4 M151 MUTT (with MG) (a) CWUS-33

(a) Mid-1980s: Replace M151 MUTTs with: M998 HMMWV Utility Vehicle (with MG)

CWUS-34

MANOEUVRE ELEMENT CWUS-12 Light Infantry Company Command

Command
x1 Commander
CWUS-36

x9 Infantry (6 with M47 Dragon ATGM) (a) CWUS-37

x3 M60E3 General Purpose Machine Gun CWUS-44

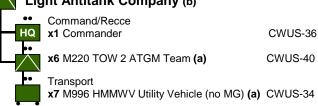
Organic Fire Support

x1 M224 60mm Mortar CWUS-47

(a) From 1988: May replace M72 66mm LAW with M136 84mm LAW as the squad light antitank weapon (see card).

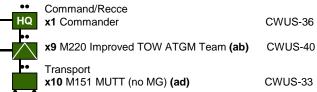


MANOEUVRE ELEMENT CWUS-13 Light Antitank Company (b)



- (a) TOW 2 ATGM may be fired from transport when mounted.
- **(b)** May alternatively be fielded as **x6** platoon-sized MEs, each of **x2** TOW Teams. Designate one team in the platoon as the Platoon Commander.

MANOEUVRE ELEMENT CWUS-14 Airborne Antitank Company (c)



- (a) TOW ATGM may be fired from transport when mounted.
- (b) Late 1980s: Replace ITOW ATGM with TOW 2 (see card).
- (c) May alternatively be fielded as ${\bf x3}$ platoon-sized MEs, each of ${\bf x3}$ TOW Teams. Designate one team in the platoon as the Platoon Commander.

CWUS-34

(d) Mid-1980s: Replace M151 MUTTs with: M998 HMMWV Utility Vehicle (no MG) (b) MANOEUVRE ELEMENT CWUS-15
Cavalry Troop (Light) (b)



Command/Recce x1 Commander CWUS-36

Recce

x9 Scout Team (3 with M47 Dragon) CWUS-52

Transpo

x10 M151 MUTT (with MG) **(a)** CWUS-33

CWUS-34

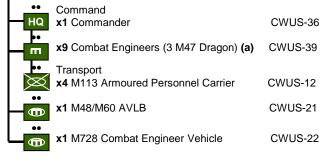
(a) Mid-1980s: Replace M151 MUTTs with: M998 HMMWV Utility Vehicle (with MG)

(b) In 9th Infantry Division, add:

x1 M30 107mm Mortar CWUS-49 **x1** M998 HMMV Utility Vehicle (no MG) CWUS-34



MANOEUVRE ELEMENT CWUS-16 Combat Engineer Company



(a) From 1988: May replace M72 66mm LAW with M136 84mm LAW as the squad light antitank weapon (see card).





MANOEUVRE ELEMENT CWUS-17 Air Defence Battery (Vulcan) (ab)



Command

x1 M113 Armoured Personnel Carrier

CWUS-12

x3 M163 Vulcan 20mm ADA Vehicle (c)

CWUS-18

(a) Mid-1980s: The Battalion Antiaircraft Sections were disbanded and the weapons were absorbed into the divisional Antiaircraft Companies. Therefore, add:

CWUS-42 x6 Redeye SAM Team x6 M151 MUTT Light Utility Vehicle (no MG) CWUS-33

May replace Redeye SAMs with: Stinger SAM Team CWUS-43

May replace M151 MUTTs with:

M998 HMMWV Utility Vehicle CWUS-34

Note that it is not therefore possible to field Battalion-level light SAMs as well as Division-level light SAMs.

- (b) The Battery may be split into x3 platoon-sized attachments, each of x1 M163 (and x2 light SAMs when available).
- (c) The M163 Vulcan and M48 Chaparral systems were meant to be replaced by 1984 with the M247 Sgt York Divisional Air Defence System (DIVADS). However, the M247 was scrapped before entering service. Nevertheless, as FoW/TY now do the models and in the spirit of 'what-if', an AD Battery may replace the M163 Vulcans with:

M247 Sgt York DIVADS Twin 40mm AA Tank CWUS-84





x1 M113 Armoured Personnel Carrier

CWUS-12

x3 M48 Chaparral SAM Vehicle

CWUS-29

(a) Mid-1980s: The Battalion Antiaircraft Sections were disbanded and the weapons were absorbed into the divisional Antiaircraft Companies. Therefore, add:

x6 Redeye SAM Team CWUS-42 x6 M151 MUTT Light Utility Vehicle (no MG) **CWUS-33**

May replace Redeye SAMs with:

Stinger SAM Team CWUS-43

May replace M151 MUTTs with:

M998 HMMWV Utility Vehicle CWUS-34 Note that it is not therefore possible to field Battalion-level light SAMs as well as Division-level light SAMs.

- (b) The Battery may be split into x3 platoon-sized attachments, each of x1 M48 (and x2 light SAMs when available).
- (c) The M163 Vulcan and M48 Chaparral systems were meant to be replaced by 1984 with the M247 Sgt York Divisional Air Defence System (DIVADS). However, the M247 was scrapped before entering service. Nevertheless, as FoW/TY now do the models and in the spirit of 'what-if', an AD Battery may replace the M48 Chaparrals with:

M247 Sgt York DIVADS Twin 40mm AA Tank CWUS-84





MANOEUVRE ELEMENT CWUS-19 **Combat Engineer Company (Light)**



Command x1 Commander

CWUS-36

x9 Combat Engineers (3 M47 Dragon) (a) **CWUS-39**

(a) From 1988: May replace M72 66mm LAW with M136 84mm LAW as the squad light antitank weapon (see card).

MANOEUVRE ELEMENT CWUS-20 Air Defence Battery (Light) (ab)

Command CWUS-36 HQ x1 Commander Transport x1 M151 MUTT (no MG) (c) CWUS-33 x3 M167 Towed Vulcan 20mm ADA CWUS-30 Transport x3 M561 Gama Goat 6x6 Tactical Truck CWUS-33

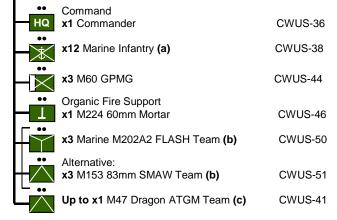
(a) Mid-1980s: The Battalion Antiaircraft Sections were disbanded and the weapons were absorbed into the divisional Antiaircraft Companies. Therefore, add:

x6 Redeve SAM Team CWUS-42 x6 M151 MUTT Light Utility Vehicle (no MG) (c) CWUS-33 May replace Redeye SAMs with: Stinger SAM Team CWUS-43

- (b) The Battery may be split into x3 platoon-sized attachments, each of x1 M167 (and x2 light SAMs when available).
- (c) From mid-1980s: May replace M151 MUTT with: M998 HMMWV Utility Vehicle

CWUS-34

MANOEUVRE ELEMENT CWUS-21 Marine Infantry Company (c)



- (a) Marine infantry squads were initially round 25% stronger than Army squads, with 12 men in three fireteams, compared to 9 men in two fireteams. Consequently, the 'rifle strength' of the company is increased here to x12 to simulate the added firepower. However the squad strength was reduced to 11 men in two fireteams during the early 1980s, concurrent with the reduction in Marine Infantry Battalion strength. Consequently, during the early 1980s, the strength may be reduced to x9 Marine Infantry Squads. However, our resident US Marine advises that in reality they continued with 12 men in three fireteams, so it may be appropriate to keep x12 squads (this may be why the battalion organisation changed from x4 to x3 companies at this time?).
- (b) USMC Infantry Companies were equipped with M202A2 FLASH incendiary rocket-launchers until 1984, when they were replaced with the M153 83mm SMAW.
- (c) There were initially no M47 Dragon ATGMs organic to the USMC Infantry Company TO&E, as they were all held at Battalion level. However, from the early 1980s, additional Dragons were allocated at Company level. May therefore add x1 M47 Dragon ATGM Team.

MANOEUVRE ELEMENT CWUS-22 Marine Light Armored Vehicle Company (a)

Command/Recce x1 LAV-25 25mm APC

CWUS-25

Recce

x6 LAV-25 25mm APC

CWUS-25

(a) May alternatively be fielded as x3 platoon-sized MEs, each of x2 vehicles. Designate one vehicle in the platoon as the Platoon Commander.

MANOEUVRE ELEMENT CWUS-23 Marine Light Armored Infantry Company (a)



x1 Commander CWUS-36

Recce

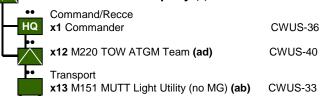
x10 Marine Recon Team CWUS-53

Recce

x6 LAV-25 25mm APC CWUS-25

(a) May alternatively be fielded as x5 platoon-sized MEs, each of x2 Recon Teams and x1 LAV. Designate one Recon Team in the platoon as the Platoon Commander.

MANOEUVRE ELEMENT CWUS-24 Marine Antitank Company (c)



- (a) TOW ATGM may be fired from transport when mounted.
- (b) From Mid-1980s: Replace M151 MUTT with: M996 HMMWV Utility Vehicle (no MG) (a) CWUS-34
- (c) May alternatively be fielded as x6 platoon-sized MEs, each of **x2** TOW Teams. Designate one team in the platoon as the Platoon Commander.
- (d) May replace TOW ATGMs with Improved TOW or in the late 1980s with TOW 2 (see card).



MANOEUVRE ELEMENT CWUS-25 Marine Tank Company (b)

Command

x1 M60A1 105mm Main Battle Tank (a) CWUS-03

Command

x7 M60A1 105mm Main Battle Tank (a) CWUS-03

(a) From 1988: Tanks are equipped with Blazer Explosive Reactive Armour. See ERA rules.

(b) May alternatively be fielded as x3 platoon-sized MEs, each of x2 tanks. Designate one tank in the platoon as the Platoon Commander.

(c) During the early 1980s, the very last of the M103A2 Heavy Tanks were still in storage in USMC reserve depots and might therefore have been issued to USMC Reserve units or as combat replacements to regular USMC units. May therefore replace some or all tanks in rare instances with:

M103A2 120mm Heavy Tank CWUS-87



MANOEUVRE ELEMENT CWUS-26 Marine Assault Amphibian Company (a)



Command

x1 LVTC-7 Amphibious Assault Vehicle (b) CWUS-23

D

x22 LVTP-7 Amphibious Assault Vehicle (ab)CWUS-23

(a) The Assault Amphibian Company would provide sufficient amphibious transport for a full Marine Battalion to get ashore. Alternatively, the company may be split into **x4** Assault Amphibian Platoon Manoeuvre Elements, each of **x5** LVTP-7.

(b) In 1985: Replace LVTP-7 with:

AAVP-7A1 Amphibious Assault Vehicle CWUS-24

MANOEUVRE ELEMENT CWUS-27 Marine Reconnaissance Company



Command/Recce **x1** Commander

CWUS-36

•• Reco

x12 Marine Recon Team CWUS-53

MANOEUVRE ELEMENT CWUS-28

Medium SAM Battery

x3 I-Hawk SAM Launcher (b)

COmmand x1 Commander CWUS-36
Transport

x1 M151 MUTT (no MG) **(a)** CWUS-33

Transport x3 M813 5-Ton Truck CWUS-33

(a) May replace M151 MUTT with:

May replace M151 MUTT with:
M998 HMMWV Utility Vehicle CWUS-34

(b) Late 1980s: May replace I-Hawk SAMs with:
Patriot SAM Launcher CWUS-32

MANOEUVRE ELEMENT CWUS-29 Light SAM Platoon



Command

x1 Commander CWUS-36

x5 Rede

x5 Redeye SAM Team (a) CWUS-42

(a) In 1982: Replace Redeye SAMs with: Stinger SAM Team

MANOEUVRE ELEMENT CWUS-30 Marine Force Recon Detachment



Command/Recce **x1** Commander

CWUS-36

Reco

x3 Marine Recon Team

CWUS-53

CWUS-43

CWUS-31



MANOEUVRE ELEMENT CWUS-31 Motorised Antitank Company (b) Command/Recce x1 Commander

 x1 Commander
 CWUS-36

 x9 M220 TOW 2 ATGM Team (a)
 CWUS-82

x4 Mk 19 40mm Grenade Launcher (a) CWUS-46

Transport

x16 M996 HMMWV Utility Vehicle (no MG) (a) CWUS-34

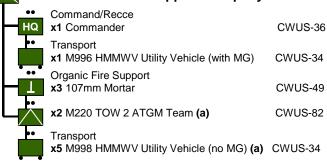
(a) TOW 2 ATGMs and Mk 19 AGLs may be fired from transport when mounted.

(b) The Company may alternatively be split into **x3** Platoons, each of **x3** ATGMs, **x1** AGL and **x4** HMMWV. Designate one heavy weapon team as the Platoon Commander. The spare Mk 19 AGL rides with the Company Commander.





MANOEUVRE ELEMENT CWUS-33 Motorised Combat Support Company



- (a) TOW 2 ATGMs may be fired from transport when mounted.
- **(b)** The Company may alternatively be split into **x2** Platoons (Mortar Platoon and AT Platoon). Designate one heavy weapon team as the Platoon Commander.



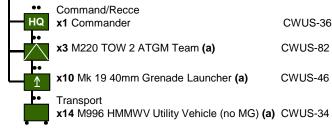
MANOEUVRE ELEMENT CWUS-32 **Motorised Infantry Company (b)**

Command/Recce
x1 Commander
CWUS-36
x9 Infantry (6 with M47 Dragon ATGM)
CWUS-37
x10 Mk 19 40mm Grenade Launcher (a)
CWUS-46
Transport
x10 M996 HMMWV Utility Vehicle (no MG) (a) CWUS-34

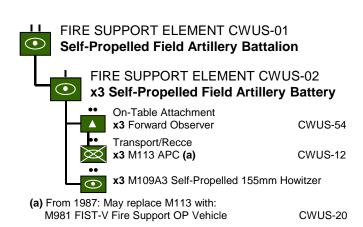
(a) Mk 19 AGLs may be fired from transport when mounted. Each HMMWV carries x1 Mk 19 AGL and x1 Commander or Infantry Squad.

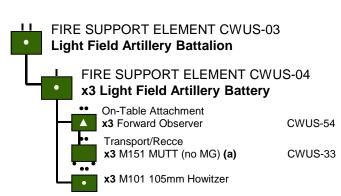
(b) The Company may alternatively be split into **x3** Platoons, each of **x3** AGL, **x3** Infantry (2 with M47 Dragon) and **x3** HMMWV. Designate one Infantry Squad as the Platoon Commander.

MANOEUVRE ELEMENT CWUS-34 Light Attack Company (b)



- (a) TOW 2 ATGMs and Mk 19 AGLs may be fired from transport when mounted.
- **(b)** The Company may alternatively be split into **x3** Platoons, each of **x1** ATGMs **x3** AGL and **x4** HMMWV. Designate one heavy weapon team as the Platoon Commander. The spare Mk 19 AGL rides with the Company Commander.

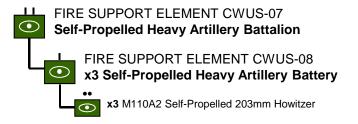


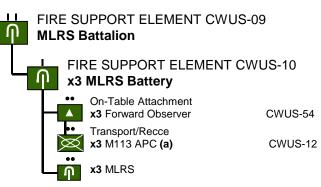


(a) From 1985: Replace M151 MUTT with:
M998 HMMWV Utility Vehicle CWUS-34



(a) From 1985: Replace M151 MUTT with:
M998 HMMWV Utility Vehicle CWUS-34





(a) From 1987: May replace M113 with:

M981 FIST-V Fire Support OP Vehicle

CWUS-20



FIRE SUPPORT ELEMENT CWUS-01
x1 SP Field Artillery Battalion

FIRE SUPPORT ELEMENT CWUS-07
x3 SP Heavy Artillery Battalion (b)

(a) Each US Corps in West Germany had x2 or x3 such Brigades, with another x3 Brigades available as REFORGER units with III Corps in the USA.

(b) Mid-1980s: May replace x1 SP Heavy Artillery Battalion with x1 MLRS Battalion (FSE CWUS-09).

FIRE SUPPORT ELEMENT CWUS-12 Field Artillery Brigade (Airborne) (a) FIRE SUPPORT ELEMENT CWUS-05

x3 Field Artillery Battalion

(a) The US XVIII Airborne Corps had one such Brigade as its sole general support artillery unit. One of the three battalions was a dedicated Airborne unit, though was still armed with M198 155mm Howitzers, so makes no difference in game terms.



United States Air Forces in Europe (USAFE) (abd)

US 3rd Air Force (RAF Mildenhall, UK)

10th Tactical Fighter Wing (RAF Alconbury)

1st Tactical Reconnaissance Squadron – **x9** RF-4C Phantom II CWUS-75 509th Tactical Fighter Squadron - x9 A-10 Thunderbolt II CWUS-74 510th Tactical Fighter Squadron - x9 A-10 Thunderbolt II CWUS-74

20th Tactical Fighter Wing (RAF Upper Heyford)

55th Tactical Fighter Squadron - x12 F-111E Aardvark 77th Tactical Fighter Squadron - x12 F-111E Aardvark 79th Tactical Fighter Squadron - x12 F-111E Aardvark

48th Tactical Fighter Wing (RAF Lakenheath)

492nd Tactical Fighter Squadron - x9 F-111F Aardvark 493rd Tactical Fighter Squadron – **x9** F-111F Aardvark 494th Tactical Fighter Squadron - x9 F-111F Aardvark 495th Tactical Fighter Squadron - x9 F-111F Aardvark

81st Tactical Fighter Wing (RAF Bentwaters)

78th Tactical Fighter Squadron – x9 A-10 Thunderbolt II 91st Tactical Fighter Squadron - x9 A-10 Thunderbolt II 92nd Tactical Fighter Squadron - x9 A-10 Thunderbolt II 511th Tactical Fighter Squadron - x9 A-10 Thunderbolt II 527th Aggressor Squadron - x8 F-16C Fighting Falcon (c)

- (a) This represents the USAFE orbat in 1989. It's going to require a LOT of research to find out exactly who had what during the decade, though F-4 Phantom II units based in the UK had been steadily re-equipped with F-16 from roughly 1978 onwards, with A-10 from 1979 and with F-15 from 1981.
- (b) While I haven't listed them in the TO&Es, there would be a Forward Air Controller present in all Battalion-sized units, which would be transported in a MUTT, HMMWV or M113, depending on the unit type.
- (c) These had been F-5E Tiger II until 1989.
- (d) This force would be heavily reinforced from the USA during the build-up to war, courtesy of the 9th, 10th & 12th Air Forces, as well as the Air National Guard. There were numerous reserve bases and pre-prepared infrastructure in virtually all NATO countries, ready to take a massive transatlantic deployment of USAF units.

















United States Air Forces in Europe (USAFE)

US 17th Air Force (Sembach AFB, West Germany) (abc)

26th Tactical Reconnaissance Wing (Zweibrücken AFB)

38th Tactical Reconnaissance Squadron - x9 RF-4C Phantom II CWUS-75

36th Tactical Fighter Wing (Bitburg AFB)

22nd Tactical Fighter Squadron – **x12** F-15C Eagle 53rd Tactical Fighter Squadron – **x12** F-15C Eagle 535th Tactical Fighter Squadron – **x12** F-15C Eagle

50th Tactical Fighter Wing (Hahn AFB)

10th Tactical Fighter Squadron – x12 F-16C Fighting Falcon
313th Tactical Fighter Squadron – x12 F-16C Fighting Falcon
CWUS-76
496th Tactical Fighter Squadron – x12 F-16C Fighting Falcon
CWUS-76
CWUS-76

52nd Tactical Fighter Wing (Spangdahlhelm AFB)

23rd Tactical Fighter Squadron – x12 F-16C Fighting Falcon
81st Tactical Fighter Squadron – x12 F-4G 'Wild Weasel'
480th Tactical Fighter Squadron – x12 F-16C Fighting Falcon
481st Tactical Fighter Squadron – x12 F-16C Fighting Falcon
CWUS-76
CWUS-76

86th Tactical Fighter Wing (Ramstein AFB)

512th Tactical Fighter Squadron – **x12** F-16C Fighting Falcon CWUS-76 516th Tactical Fighter Squadron – **x12** F-16C Fighting Falcon CWUS-76

Squadron Not Assigned to a Wing (Soesterberg AFB, Netherlands)

32nd Tactical Fighter Squadron – x12 F-15C Eagle

US 16th Air Force (Torrejón AFB, Spain) (abcd)

401st Tactical Fighter Wing (Torrejon AFB)

612th Tactical Fighter Squadron – **x12** F-16C Fighting Falcon CWUS-76
613th Tactical Fighter Squadron – **x12** F-16C Fighting Falcon CWUS-76
614th Tactical Fighter Squadron – **x12** F-16C Fighting Falcon CWUS-76

- (a) This represents the USAFE orbat in 1989. It's going to require a LOT of research to find out exactly who had what during the decade, though F-4 Phantom II units had been steadily reequipped by F-16 from roughly 1978 onwards and by F-15 from 1981.
- **(b)** While I haven't listed them in the TO&Es, there would be a Forward Air Controller present in all Battalion-sized units, which would be transported in a MUTT, HMMWV or M113, depending on the unit type.
- (c) This force would be heavily reinforced from the USA during the build-up to war, courtesy of the 9th, 10th & 12th Air Forces, as well as the Air National Guard. There were numerous reserve bases and pre-prepared infrastructure in virtually all NATO countries, ready to take a massive transatlantic deployment of USAF units.
- (d) The 16th Air Force appears small here, but it was responsible for maintaining numerous bases and armament depots across NATO's AFSOUTH area, from Spain to Turkey, as well as Ground-Launched Cruise Missiles permanently stationed in Italy. 16th AF maintained three air bases in Spain, two in mainland Italy, one in Sicily, one in mainland Greece, one in Crete and four in Turkey.











US 9th Air Force (Shaw AFB, USA) (a)

(Immediate reinforcement for USAFE)

1st Tactical Fighter Wing (Langley AFB)

27th Tactical Fighter Squadron – x12 F-15C Eagle 71st Tactical Fighter Squadron – x12 F-15C Eagle 94th Tactical Fighter Squadron – x12 F-15C Eagle 441st Helicopter Flight – x4 UH-1D/H



4th Tactical Fighter Wing (Seymour Johnson AFB)

334th Tactical Fighter Squadron – x12 F-4E Phantom II	CWUS-75
335th Tactical Fighter Squadron – x12 F-4E Phantom II	CWUS-75
336th Tactical Fighter Squadron – x12 F-4E Phantom II	CWUS-75



23rd Tactical Fighter Wing (England AFB)

74th Tactical Fighter Squadron – x9 A-10 Thunderbolt II	CWUS-74
75th Tactical Fighter Squadron – x9 A-10 Thunderbolt II	CWUS-74
76th Tactical Fighter Squadron – x9 A-10 Thunderbolt II	CWUS-74

31st Tactical Fighter Wing (Homestead AFB)

306th Tactical Fighter Squadron – x12 F-16A Fighting Falcon	CWUS-76
307th Tactical Fighter Squadron – x12 F-16A Fighting Falcon	CWUS-76
308th Tactical Fighter Squadron – x12 F-16A Fighting Falcon	CWUS-76
309th Tactical Fighter Squadron – x12 F-16A Fighting Falcon	CWUS-76



33rd Tactical Fighter Wing (Eglin AFB)

58th Tactical Fighter Squadron – x12 F-16C Fighting Falcon	CWUS-76
59th Tactical Fighter Squadron – x12 F-16C Fighting Falcon	CWUS-76
60th Tactical Fighter Squadron – x12 F-16C Fighting Falcon	CWUS-76

347th Tactical Fighter Wing (Moody AFB)

68th Tactical Fighter Squadron – x12 F-16C Fighting Falcon	CWUS-76
69th Tactical Fighter Squadron – x12 F-16C Fighting Falcon	CWUS-76
70th Tactical Fighter Squadron – x12 F-16C Fighting Falcon	CWUS-76

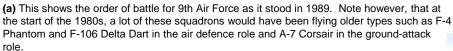


353rd Tactical Fighter Squadron – x9 A-10 Thunderbolt II	CWUS-74
355th Tactical Fighter Squadron – x9 A-10 Thunderbolt II	CWUS-74
356th Tactical Fighter Squadron – x9 A-10 Thunderbolt II	CWUS-74



363rd Tactical Fighter Wing (Shaw AFB)

16th Tactical Reconnaissance Squadron - x9 RF-4C Phantom II	CWUS-75
17th Tactical Fighter Squadron – x12 F-16C Fighting Falcon	CWUS-76
19th Tactical Fighter Squadron – x12 F-16C Fighting Falcon	CWUS-76
30th Tactical Fighter Squadron – x12 F-16C Fighting Falcon	CWUS-76





US 12th Air Force (Bergstrom AFB, USA) (ab)

(Follow-on reinforcement for USAFE)

27th Tactical Fighter Wing (Cannon AFB)

522nd Tactical Fighter Squadron - x12 F-111D Aardvark 523rd Tactical Fighter Squadron - x12 F-111D Aardvark 524th Tactical Fighter Squadron - x12 F-111D Aardvark



21st Tactical Fighter Squadron - x12 F-4E Phantom II

CWUS-75

37th Tactical Fighter Wing (George AFB)

561st Tactical Fighter Squadron - x12 F-4G Wild Weasel **CWUS-75** 562nd Tactical Fighter Squadron - x12 F-4G Wild Weasel 563rd Tactical Fighter Squadron - x12 F-4G Wild Weasel **CWUS-75**

CWUS-75



49th Tactical Fighter Wing (Holloman AFB)

7th Tactical Fighter Squadron – x12 F-15A Eagle 8th Tactical Fighter Squadron - x12 F-15A Eagle 9th Tactical Fighter Squadron – x12 F-15A Eagle

67th Tactical Reconnaissance Wing (Bergstrom AFB)

12th Tactical Reconnaissance Squadron - x9 RF-4C Phantom II CWUS-75 62nd Tactical Reconnaissance Squadron – x9 RF-4C Phantom II CWUS-75 91st Tactical Reconnaissance Squadron - x9 RF-4C Phantom II CWUS-75

366th Tactical Fighter Wing (Mountain Home AFB)

389th Tactical Fighter Squadron - x12 F-111A Aardvark 391st Tactical Fighter Squadron - x12 F-111A Aardvark

388th Tactical Fighter Wing (Hill AFB)

4th Tactical Fighter Squadron – x12 F-16A Fighting Falcon	CWUS-76
421st Tactical Fighter Squadron – x12 F-16A Fighting Falcon	CWUS-76
34th Tactical Fighter Squadron – x12 F-16A Fighting Falcon	CWUS-76

474th Tactical Fighter Wing (Hill AFB)

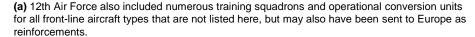
428th Tactical Fighter Squadron – x12 F-16C Fighting Falcon	CWUS-76
429th Tactical Fighter Squadron – x12 F-16C Fighting Falcon	CWUS-76
430th Tactical Fighter Squadron – x12 F-16A Fighting Falcon	CWUS-76

4450th Tactical Group (Nellis AFB)

4450th Tactical Squadron – x9 F117A Nighthawk 4451st Tactical Squadron - x9 A-7D/K Corsair II **CWUS-71** 4452nd Tactical Squadron - x9 F117A Nighthawk



22nd Tactical Air Support Squadron – x6 OV-10 Bronco	CWUS-78
23rd Tactical Air Support Squadron – x6 OV-10 Bronco	CWUS-78
27th Tactical Air Support Squadron – x6 OV-10 Bronco	CWUS-78



(b) This shows the order of battle for 12th Air Force as it stood in 1989. Note however, that at the start of the 1980s, a lot of these squadrons would have been flying older types such as F-4 Phantom and F-106 Delta Dart in the air defence role and A-7 Corsair in the ground-attack role, with F-105 Thunderchief in the 'Wild Weasel' role.





US Air Force Reserve

US 10th Air Force (Bergstrom AFB) (a)

47th Tactical Fighter Squadron – x9 A-10 Thunderbolt II CWUS-74 89th Tactical Fighter Squadron – x12 F-4D Phantom II CWUS-75 93rd Tactical Fighter Squadron – x12 F-4D Phantom II CWUS-75 302nd Tactical Fighter Squadron – x12 F-16C Fighting Falcon 303rd Tactical Fighter Squadron – x9 A-10 Thunderbolt II CWUS-74 457th Tactical Fighter Squadron – x12 F-4D Phantom II CWUS-75 465th Tactical Fighter Squadron – x12 F-16C Fighting Falcon 466th Tactical Fighter Squadron – x12 F-16C Fighting Falcon 704th Tactical Fighter Squadron – x12 F-4D Phantom II CWUS-75	45th Tactical Fighter Squadron – x9 A-10 Thunderbolt II 46th Tactical Fighter Squadron – x9 A-10 Thunderbolt II	CWUS-74 CWUS-74
93rd Tactical Fighter Squadron – x12 F-4D Phantom II CWUS-75 302nd Tactical Fighter Squadron – x12 F-16C Fighting Falcon 303rd Tactical Fighter Squadron – x9 A-10 Thunderbolt II CWUS-74 457th Tactical Fighter Squadron – x12 F-4D Phantom II CWUS-75 465th Tactical Fighter Squadron – x12 F-16C Fighting Falcon 466th Tactical Fighter Squadron – x12 F-16C Fighting Falcon 704th Tactical Fighter Squadron – x12 F-4D Phantom II CWUS-75	47th Tactical Fighter Squadron – x9 A-10 Thunderbolt II	CWUS-74
302nd Tactical Fighter Squadron – x12 F-16C Fighting Falcon 303rd Tactical Fighter Squadron – x9 A-10 Thunderbolt II 457th Tactical Fighter Squadron – x12 F-4D Phantom II CWUS-75 465th Tactical Fighter Squadron – x12 F-16C Fighting Falcon CWUS-76 466th Tactical Fighter Squadron – x12 F-16C Fighting Falcon 704th Tactical Fighter Squadron – x12 F-4D Phantom II CWUS-75	•	
303rd Tactical Fighter Squadron – x9 A-10 Thunderbolt II CWUS-74 457th Tactical Fighter Squadron – x12 F-4D Phantom II CWUS-75 465th Tactical Fighter Squadron – x12 F-16C Fighting Falcon CWUS-76 704th Tactical Fighter Squadron – x12 F-4D Phantom II CWUS-75	· ·	
465th Tactical Fighter Squadron – x12 F-16C Fighting Falcon 466th Tactical Fighter Squadron – x12 F-16C Fighting Falcon 704th Tactical Fighter Squadron – x12 F-4D Phantom II CWUS-75		
466th Tactical Fighter Squadron – x12 F-16C Fighting Falcon CWUS-76 704th Tactical Fighter Squadron – x12 F-4D Phantom II CWUS-75	· · · · · · · · · · · · · · · · · · ·	
704th Tactical Fighter Squadron – x12 F-4D Phantom II CWUS-75	• •	
· · · · · · · · · · · · · · · · · · ·	• •	
700th radioal righter equation XV 71 To Thanasiboli in 2000 71	704th Tactical Fighter Squadron – x12 F-4D Phantom II 706th Tactical Fighter Squadron – x9 A-10 Thunderbolt II	CWUS-75 CWUS-74

(a) This shows the order of battle for 10th Air Force as it stood in 1989. Note that these units, along with the Air National Guard, would supplement the regular USAF Tactical Fighter Wings and Squadrons in the USA and abroad – mainly in the 9th and 12th Air Forces. They generally were not organised into distinct Tactical Fighter Wings, but were in most cases co-located with a regular USAF 'parent' Wing. Note however, that at the start of the 1980s, a lot of these squadrons would have been flying older types such as A-7 Corsair, F-4 Phantom, F-105 Thunderchief and F-106 Delta Dart.







US Air National Guard (a)

A-7 (Corsair	IJι	Jnits
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x14 Squadrons, each with x9 A-7D/K Corsair II CWUS-71

A-10 Thunderbolt II Units

x7 Squadrons, each with x9 A-10 Thunderbolt II CWUS-74

F-4 Phantom II Units

x14 Squadrons, each with x9 to x12 F-4C/D/E Phantom II CWUS-75 x7 Reconnaissance Squadrons, each with x9 RF-4C Phantom II CWUS-75

F-15 Eagle Units

x4 Squadrons, each with x9 to x12 F-15C Eagle

F-16 Fighting Falcon Units

x21 Squadrons, each with x9 to x12 F-16A Fighting Falcon CWUS-76

OA-37 Dragonfly Units

x1 Squadron, with x6 OA-37B Dragonfly CWUS-85

(a) This shows the order of battle for the Air National Guard as it stood in 1989. Note that these units, along with the US Air Force Reserve, would supplement the regular USAF Tactical Fighter Wings and Squadrons in the USA and abroad – mainly in the 9th and 12th Air Forces, as well as the 1st Air Force, which was responsible for air defence of Continental USA (quite a few of the F-4, F-15 and F-16 Squadrons were designated as 'Fighter-Interceptor Squadrons' rather than 'Tactical Fighter Squadrons', which reflects their home-defence role. ANG units were in most cases co-located with a regular USAF 'parent' Wing, though some all-ANG Wings did exist. Note however, that at the start of the 1980s, the A-10, F-15 & F-16 squadrons listed would have been flying considerably older types such as A-7 Corsair, F-4 Phantom, F-105 Thunderchief and F-106 Delta Dart – the last ANG Delta Dart Squadron was only retired in 1988!





US Card List & Model Availability

(Annotations 'QRF' = QRF Models, 'SOG' = Skytrex/Old Glory, 'S' = Skytrex, 'OG' = Old Glory, 'PP' = Peter Pig, 'QC' = Quality Castings/Old Glory 15s, FoW = Flames of War, 'K' = Khurasan, 'RMM' = Roskopf, 'Z' = Zvezda, 'Aim' = Armaments in Miniature, 'TT' = Totentanz, 'BPM' = Butler's Printed Models)

Printed Models)	, , , , , , , , , , , , , , , , , , , ,
CWUS-01 – M551 Sheridan 152mm/Shillelagh ATGM Light Tank	QRF, FoW, BPM
CWUS-02 – M351 Sheridan 152mm/Shinlelagh ATGM Eight Tank CWUS-02 – M48A5/A6 Patton 105mm Medium Tank	QRF, FoW, BPM
CWUS-03 – M60A1 105mm Main Battle Tank	QRF, K, RMM, FoW, PSC, BPM, OG
CWUS-04 – M60A2 'Starship' 152mm/Shillelagh ATGM Main Battle Tank	QRF, Irishserb, RMM, OG
CWUS-05 – M60A3 105mm Main Battle Tank	QRF, RMM, FoW, PSC, BPM
CWUS-06 – M1 Abrams 105mm Main Battle Tank	QRF, FoW, QC, K
CWUS-07 – M1A1 Abrams 120mm Main Battle Tank	QRF, FoW, QC, Z, OG
CWUS-08 – M2 Bradley Infantry Fighting Vehicle (25mm & TOW)	QRF, QC, S, BPM
CWUS-09 – M2A1 Bradley Infantry Fighting Vehicle (25mm & TOW 2)	QRF, QC, S, BPM
CWUS-10 – M3 Bradley Cavalry Fighting Vehicle (25mm & TOW)	QRF, QC, S, BPM
CWUS-11 – M3A1 Bradley Cavalry Fighting Vehicle (25mm & TOW 2)	QRF, QC, S, BPM
CWUS-12 – M113 Armoured Personnel Carrier	QRF, PP, SOG, FoW, Irishsb, RMM, BPM, K
CWUS-13 – M113 ACAV Armoured Cavalry Vehicle	QRF, PP, SOG, FoW, BPM
CWUS-14 – M577 Command Vehicle	QRF, PP, SOG, QC, FoW, RMM, BPM
CWUS-15 – M106 107mm Mortar Carrier	QRF, FoW, RMM, BPM
CWUS-16 – M125 81mm Mortar Carrier	QRF, FoW, RMM, BPM
CWUS-17 – M150 TOW ATGM Carrier CWUS-18 - M163 \(Vulson 20mm Air Defence Artillary\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	QRF, FoW, SOC, BP, BBM
CWUS-18 – M163 Vulcan 20mm Air Defence Artillery Vehicle CWUS-19 – M901 ITV Improved TOW ATGM Vehicle	QRF, FoW, SOG, PP, BPM QRF, FoW, SOG, PP, QC, BPM
CWUS-20 – M981 FIST-V Fire Support OP Vehicle	QRF, FoW, SOG, PP, QC, BPM (use M901)
CWUS-21 – M48/M60 Armoured Vehicle-Launched Bridge	QIVI, 10W, 000, 11, QO, DI W (d3C M301)
CWUS-22 – M728 Combat Engineer Vehicle	QRF
CWUS-23 – LVTP-7 Amphibious Assault Vehicle	QRF, TT, BPM
CWUS-24 – AAVP-7A1 Amphibious Assault Vehicle	QRF, FoW, BPM
CWUS-25 – LAV-25 Armoured Personnel Carrier	QRF, FoW, BPM
CWUS-26 – LAV-C Command Vehicle	QRF, FoW, BPM
CWUS-27 – LAV-M 81mm Mortar Carrier	QRF, FoW, BPM
CWUS-28 – LAV-AT Improved TOW ATGM Vehicle	QRF, FoW, BPM
CWUS-29 – M48 Chaparral SAM Vehicle	QRF, FoW, BPM
CWUS-30 – M167 Towed Vulcan 20mm Air Defence Artillery	
CWUS-31 – I-Hawk SAM Launcher	QC
CWUS-32 – Patriot SAM Launcher	ODE 000 DIM
CWUS-33 – M151 MUTT Light Utility Vehicle	QRF, SOG, RMM
CWUS-34 – M998 HMMWV Utility Vehicle	QRF, QC, PP, BPM
CWUS-35 – M813 5-Ton Truck	QRF, RMM
CWUS-36 – Commander CWUS-37 – Infantry (M72 66mm LAW & M47 Dragon ATGM)	QRF, FoW, PP, K, OG, QC QRF, FoW, PP, K, OG, QC
CWUS-38 – Marine Infantry (M72 66mm LAW)	QRF, FoW, PP, K, OG, QC
CWUS-39 – Combat Engineers	Q. (1, 1, 0, 0, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,
CWUS-40 – M220 TOW ATGM Team	QRF, FoW
CWUS-41 – M47 Dragon ATGM Team	QRF, FoW, PP, K, OG, QC
CWUS-42 – Redeye SAM Team	
CWUS-43 – Stinger SAM Team	OG, QC
CWUS-44 – M60E3 General Purpose Machine Gun	FoW, K, OG, QC
CWUS-45 – M2 .50 Cal Heavy Machine Gun	QRF, PP, SOG
CWUS-46 – Mk 19 40mm Automatic Grenade Launcher	
CWUS-47 – M224 60mm Mortar	FoW, K
CWUS-48 – M29 & M252 81mm Mortars	
CWUS-49 – M30 107mm Mortar	
CWUS-50 – Marine M202A2 FLASH Incendiary Rocket Launcher Team	FoW
CWUS-51 – Marine M153 83mm SMAW Team CWUS-52 – Scout Team (M72 66mm LAW & M47 Dragon ATGM)	FoW QRF, PP, FoW, K, OG, QC
CWUS-53 – Marine Recon Team (M72 66mm LAW)	QRF, PP, FoW, K, OG, QC
CWUS-54 – Forward Observer	FoW
CWUS-55 – MH-6 Little Bird Light Special Operations Helicopter	QRF
CWUS-56 – AH-6 Little Bird Light Attack Helicopter	QRF
CWUS-57 – OH-58 Kiowa Observation Helicopter	Pocket Pak
CWUS-58 – OH-58 D Kiowa Warrior Observation Helicopter	
CWUS-59 – UH-1D/H Iroquois Utility Helicopter	Revell, QRF, RMM, FoW, BPM
CWUS-60 – UH-60 Blackhawk Utility Helicopter	QRF, Revell
CWUS-61 – AH-1S Cobra Attack Helicopter (designated AH-1P after 1988)	FoW
CWUS-62 – AH-1S Enhanced/Modernized Cobra Attack Helicopter (designated AH-1E/F after 1988)	FoW, Italeri
CWUS-63 – AH-1T Sea Cobra Attack Helicopter	
CWUS-64 – AH-1W Super Cobra Attack Helicopter	Italeri
CWUS-65 – AH-64 Apache Attack Helicopter	Italeri, Revell, OG
CWUS-66 – CH-46 Sea Knight Transport Helicopter	Tamiya
CWUS-67 – CH-47 Chinook Heavy Transport Helicopter	QRF, OG, AiM

US Card List (continued)

CWUS-68 – CH-53 Super Stallion Heavy Transport Helicopter **CWUS-69** – A-4 Skyhawk Ground-Attack Aircraft

CWUS-70 – A-6 Intruder All-Weather Ground-Attack Aircraft CWUS-71 – A-7 Corsair II Light Ground-Attack Aircraft

CWUS-72 – AV-8A Harrier Close Support Aircraft **CWUS-73** – AV-8B Harrier II Close Support Aircraft

CWUS-74 - A-10 Thunderbolt II 'Warthog' Close Support Aircraft

CWUS-75 – F-4 Phantom II Fighter-Bomber
CWUS-76 – F-16 Fighting Falcon Fighter-Bomber

CWUS-77 - F/A-18 Hornet Fighter-Bomber

CWUS-78 - OV-10 Bronco Observation/Attack Aircraft

CWUS-79 – M2A2 Bradley Infantry Fighting Vehicle (25mm & TOW 2) CWUS-80 – M3A2 Bradley Cavalry Fighting Vehicle (25mm & TOW 2)

CWUS-81 - All-Terrain Motorcycle

CWUS-82 - F-105G Thunderchief 'Wild Weasel' Ground-Attack Aircraft

CWUS-83 - M561 Gama Goat 6x6 Tactical Truck

CWUS-84 - M247 Sergeant York DIVADS Twin 40mm AA Vehicle

CWUS-85 - OA-37 Dragonfly Observation/Attack Aircraft

CWUS-86 - UH-1N Twin Huey

CWUS-87 - M103A2 120mm Heavy Tank

RMM Tamiya, OG Tamiya Tamiya

Tamiya, Revell QRF, Airfix, Revell Revell, QRF

Revell, Tamiya, RMM

Revell Italeri AiM Z, BPM Z, BPM

Tamiya

FoW, OG AiM Italeri, BPM QRF, OG

