














# Norwegian Orders of Battle & TO&Es 1980-1989 v2.5

By R Mark Davies for *Battlefront: First Echelon*

-  Brigade 'North' (Type 90 Mechanised Brigade)
-  Brigade 'South' (Type 90 Mechanised Brigade)
-  1st Brigade (Type 78 Infantry Brigade)
-  3rd Brigade (Type 78 Infantry Brigade)
-  5th Brigade (Type 78 Infantry Brigade)
-  7th Brigade (Type 78 Infantry Brigade)
-  8th Brigade (Type 78 Infantry Brigade)
-  12th Brigade (Type 90 Mechanised Brigade)
-  13th Brigade (Type 78 Infantry Brigade)
-  14th Brigade (Type 78 Infantry Brigade)
-  15th Brigade (Type 78 Infantry Brigade)
-  Brigade 'Vestlandet' (Type 78 Infantry Brigade)
-  17x Local Defence Districts

(a) Brigade North was the Norwegian Army's main standing regular formation and in the event of war would be deployed immediately to the Finnmark border area. Brigade South and 12th Brigade were also mechanised, but were formed from reservists. The remaining nine brigades were all Type 78 Brigades, formed mainly from reservists, with a smattering of regulars. There were also seventeen 'Defence Districts' that varied widely in size and composition: many had no Regular or Reserve units at all, but simply provided command functions to the Land Home Guard (of which there were 470 platoon-sized units across Norway; most of which were infantry, but some were AA units). Other Defence Districts (particularly in the Finnmark) included reserve and regular units such as infantry and artillery battalions, with which to back up the Land Home Guard. These units included three independent Armoured Squadrons. In war, it was proposed that three divisions would have been formed, but there were few permanent structures in place during peacetime and no permanently-assigned divisional support troops.



# Planned NATO Wartime Reinforcements for Norway



(a) The British 3 Commando Brigade, with Royal Netherlands Marines under command, was on near-permanent assignment to reinforce Norway in the event of war. It trained annually in Norway and had large stores of vehicles and supplies pre-positioned there.

(b) The British 3 Commando Brigade, Netherlands 1st Marine Group and independent Netherlands 'W' Marine Company, would form the 'UK-NL Landing Group'.

(c) Norway was presumed to be the most likely wartime 'Northern Option' deployment for the Allied Command Europe (ACE) Mobile Force (Land) (or AMF(L) for short) and as a consequence, often trained to do so. However, there was also the possibility that they might instead have been deployed to Iceland, Denmark or the 'southern option' (i.e. the Mediterranean, though with a different mix of national contingents). Note that the British contingent included HQ, medium recce, light artillery and other combat support arms.

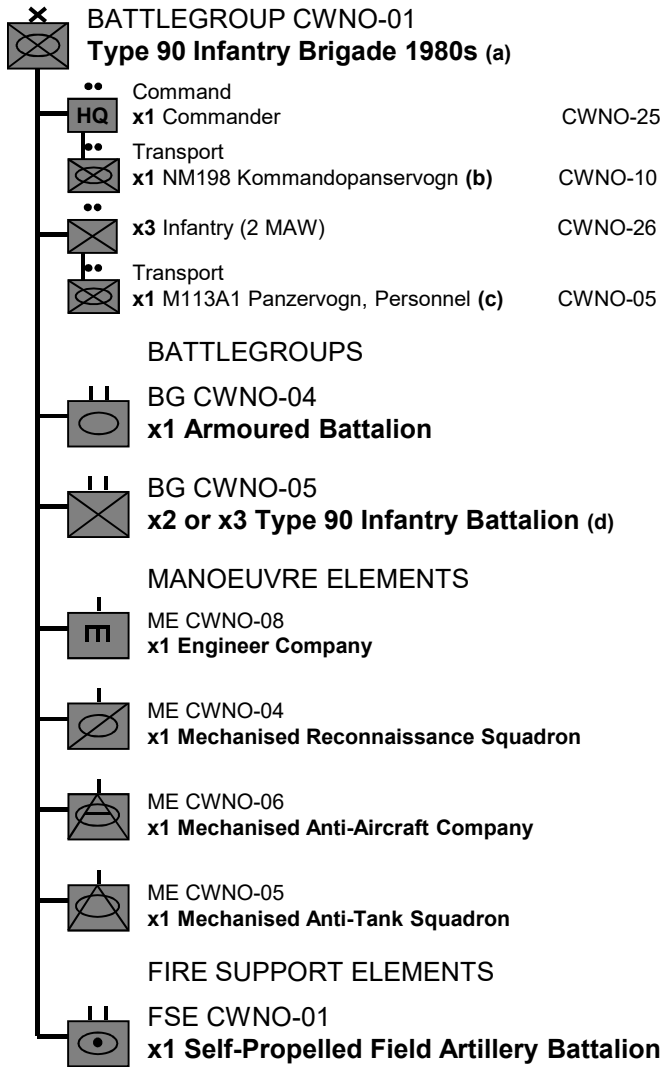
(d) The US 4th MAB of the 2nd Marine Division was assigned to deploy to Norway in the event of war and by the late 1980s had large stores of heavy equipment pre-positioned there. However, there were also contingency plans to deploy the entire 2nd Marine Division and/or elements of XVIII Airborne Corps, such as 10th Mountain Division.

(e) The Canadians planned from 1985 to 1989 to deploy the entire 5th Light Mechanised Brigade (re-designated as the Canadian Air/Sea Transported (CAST) Brigade) to Norway, in addition to the single battalion commitment to AMF(L). However, this idea was abandoned in 1989 and the decision taken instead to reinforce the Canadian commitment to West Germany. Canada maintained its single battlegroup commitment to AMF(L) throughout this period.

(f) The Luxembourg AMF(L) contingent comprised only half of that country's single infantry battalion.







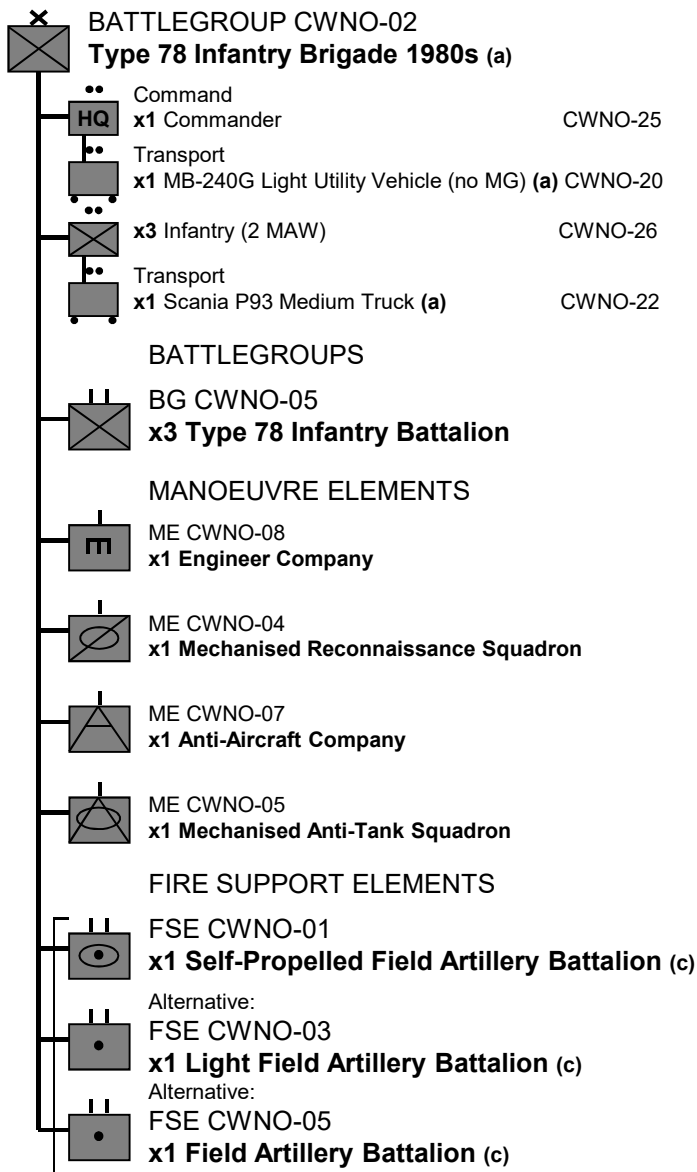
(a) There were three Type 90 Brigades in the Norwegian Army: 'Brigade North', 'Brigade South' (also known as 4th Brigade) and 12th Brigade. Brigade North was the Norwegian Army's main standing regular formation and in the event of war would be deployed immediately to the Finnmark border area. Brigade South and 12th Brigade were formed from reservists. The remaining nine brigades were all Type 78 Brigades (BG CWNO-02). There were also seventeen 'Defence Districts' that varied widely in size and composition: many had no Regular or Reserve units at all, but simply provided command functions to the Land Home Guard (of which there were 470 platoon-sized units across Norway; most of which were infantry, but some were AA units – see ME CWNO-07). Other Defence Districts (particularly in the Finnmark) included reserve and regular units such as infantry and artillery battalions, with which to back up the Land Home Guard. These units included three independent Tank Companies (ME CWNO-01) – two of which were equipped with Leopard and the third with M48. In war, three divisions would have been formed, but there were no permanent structures in place during peacetime and no permanently-assigned divisional support troops.

(b) May replace NM198 Command vehicle with:  
 Volvo Bv-202 Arctic Warfare Vehicle CWNO-12  
 Or in the late 1980s with:  
 Hägglunds Bv-206 Arctic Warfare Vehicle CWNO-39

(c) May replace M113A1 with:  
 NM135 'Stormpanservogn' 20mm APC CWNO-04  
 Alternative:  
 Volvo Bv-202 Arctic Warfare Vehicle CWNO-12  
 Or in the late 1980s with:  
 Hägglunds Bv-206 Arctic Warfare Vehicle CWNO-39

(d) Brigade North had **x2** Infantry Battalions. The others had **x3**.





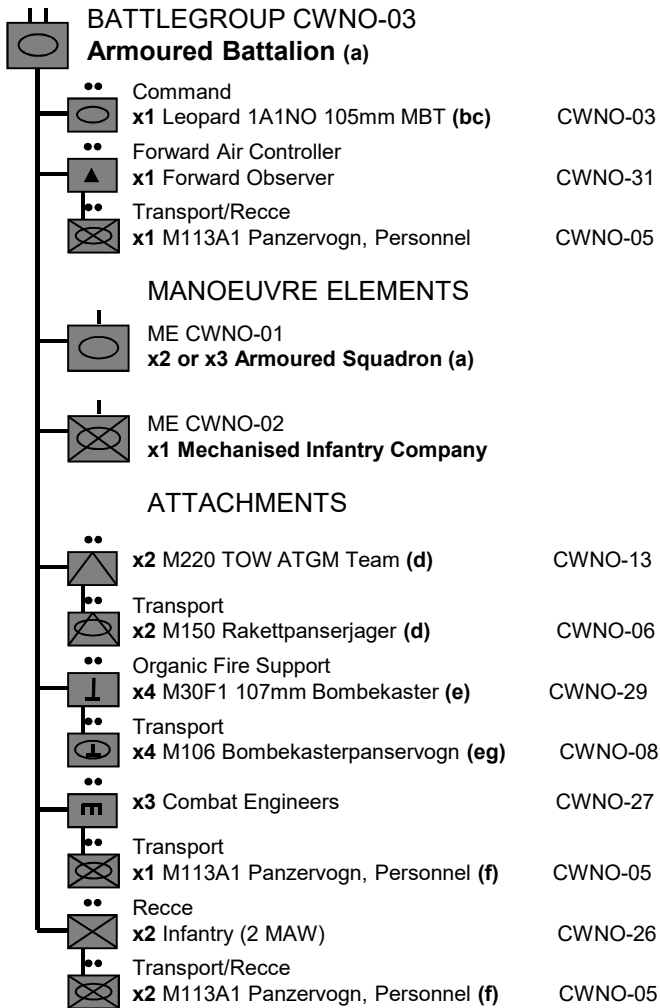
(a) There were nine Type 78 Brigades in the Norwegian Army: 1st, 3rd, 5th, 7th, 8th, 13th, 14th, 15th and 'Vestlandet'. All Type 78 Brigades were made up of reservist units. There were also seventeen 'Defence Districts' that varied widely in size and composition: many had no Regular or Reserve units at all, but simply provided command functions to the Land Home Guard (of which there were 470 platoon-sized units across Norway; most of which were infantry, but some were AA units – see ME CWNO-07). Other Defence Districts (particularly in the Finnmark) included reserve and regular units such as infantry and artillery battalions, with which to back up the Land Home Guard. These units included three independent Tank Companies (ME CWNO-01) – two of which were equipped with Leopard and the third with M48. In war, three divisions would have been formed, but there were no permanent structures in place during peacetime and no permanently-assigned divisional support troops.

(b) May replace transports with:  
 Volvo Bv-202 Arctic Warfare Vehicle CWNO-12  
 Or in the late 1980s with:  
 Hägglunds Bv-206 Arctic Warfare Vehicle CWNO-39

(c) 5th, 14th & 15th Brigades had SP Field Artillery Battalions equipped with M109A3GN self-propelled 155mm howitzers. 6th and 13th Brigades had Field Artillery Battalions equipped with M114 155mm howitzers. 1st, 3rd, 7th, 8th and Vestlandet Brigades had Light Field Artillery Battalions equipped with M101 105mm howitzers.







**(a)** Norway had three Armoured Battalions – one in each of the Type 90 Brigades. Brigade North and 12th Brigade were equipped with Leopard 1A1NO and had **x2** Armoured Squadrons, while Brigade South was equipped with M48A2 and had **x3** Armoured Squadrons.

**(b)** In Brigade South: Replace Leopard with:  
 M48A2 Patton 90mm Medium Tank **(c)** CWNO-40

**(c)** Between 1982 and 1985, the M48A2s of Brigade South went through an upgrade programme to M48A5 standard. May therefore replace M48A2 with:  
 M48A5 Patton 105mm Medium Tank CWNO-02

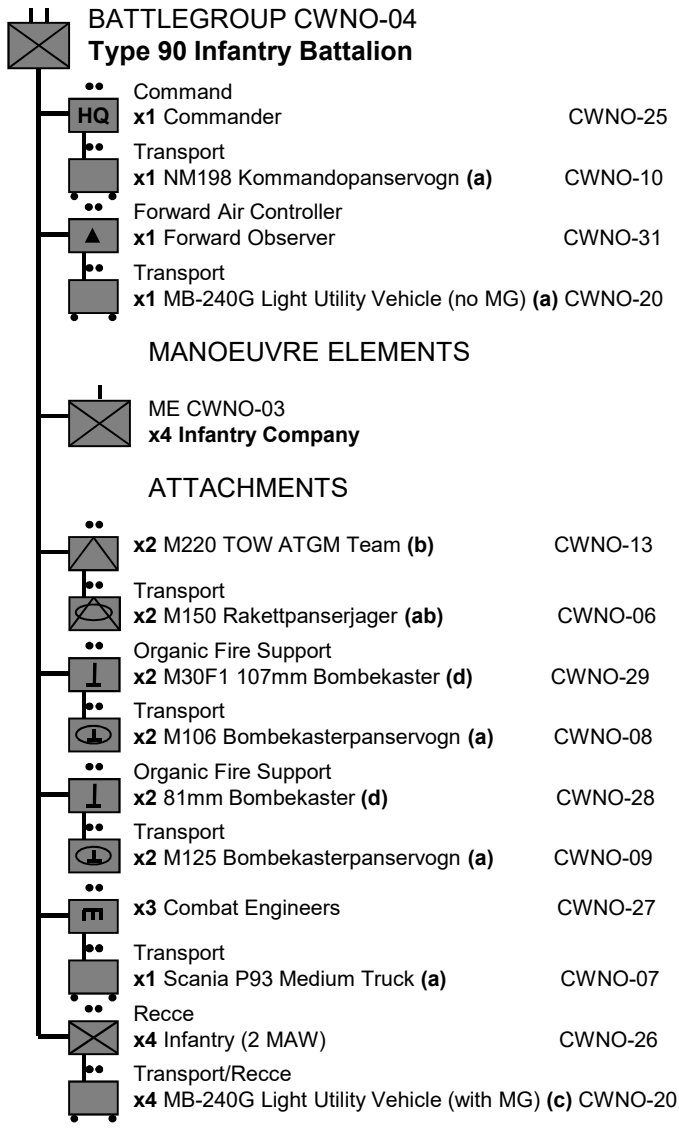
**(d)** From mid-1980s: Replace TOW ATGM Teams and M150s with:  
**x2** NM142 Rakettpanserjager TOW 2 Vehicle CWNO-07

**(e)** One source suggests that one of the battalion's two Mortar Platoons was equipped with 81mm mortars. In which case, replace **x2** 107mm Mortars and **x2** M106 with:  
**x2** 81mm Bombekaster CWNO-28  
**x2** M125 81mm Bombekasterpanzervogn CWNO-09

**(f)** From early 1980s: May replace M113A1 with:  
 NM135 'Stormpanzervogn' 20mm APC CWNO-04

**(g)** Mortars may be fired from their transports.





**(a)** May replace transport with:  
 Volvo Bv-202 Arctic Warfare Vehicle CWNO-12  
 Or in the late 1980s with:  
 Hägglunds Bv-206 Arctic Warfare Vehicle CWNO-39

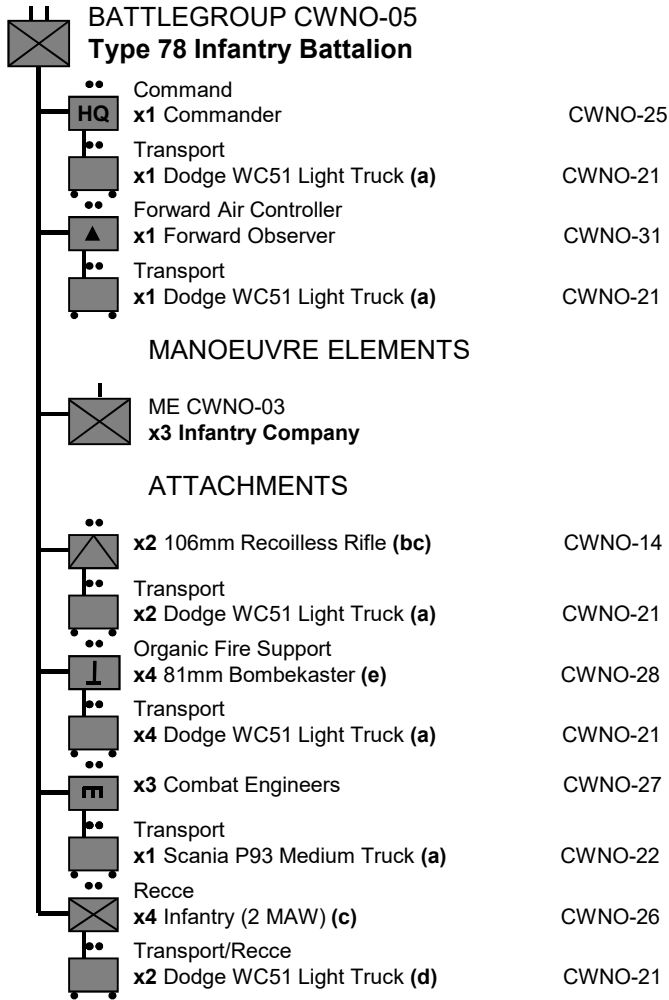
**(b)** From mid-1980s: Replace TOW ATGM Teams and M150s with:  
**x2 NM142 Rakettpanserjager TOW 2 Vehicle** CWNO-07  
 However, it would appear that the M220 TOW launchers were retained, mounted on Bv-202, after the introduction of NM-142 for Arctic warfare use.

**(c)** May replace recce MB-240s with:  
 All-Terrain Motorcycles CWNO-23  
 Snowmobiles CWNO-19

**(d)** Mortars may be fired from their transports; whether M106, M125 or Bv-202/206.

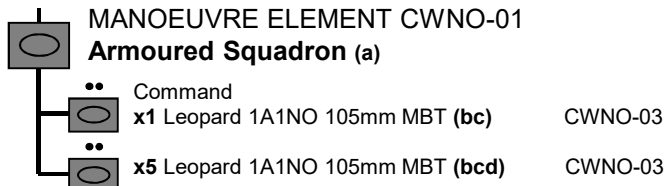






- (a) May replace transport with:  
MB-240G Light Utility Vehicle CWNO-20  
Volvo Bv-202 Arctic Warfare Vehicle CWNO-12  
Or in the late 1980s with:  
Häggblunds Bv-206 Arctic Warfare Vehicle CWNO-39
- (b) May replace 106mm Recoilless Rifles with:  
M220 TOW ATGM Team (c) CWNO-13
- (c) 106mm Recoilless Rifles and M220 TOW ATGMs may be fired from transports; Whether WC-51, MB-240G or Bv-202/206.
- (d) May replace recce WC-15s with:  
MB-240G Light Utility Vehicle CWNO-20  
All-Terrain Motorcycles CWNO-23  
Snowmobiles CWNO-19
- (e) May replace x2 81mm mortars with:  
M30F1 107mm Bombekaster CWNO-29



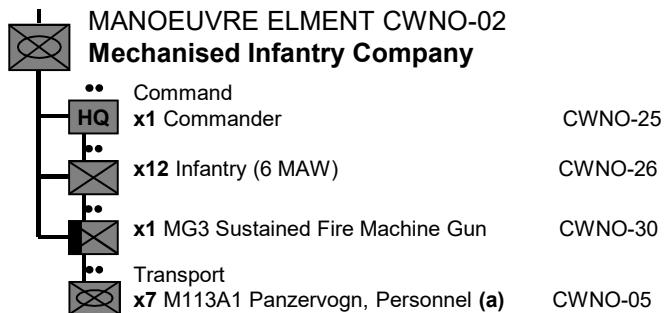


(a) The Norwegian Army had two independent Armoured Squadrons in addition to the three Armoured Regiments. The Posanger Defence Area (Finnmark) and the Akershus Defence District (Østlandet) each had a Squadron of Leopards. In 1986, a third independent Armoured Squadron was formed in the Rogaland Defence District (Oslo) from newly-purchased M48A5s.

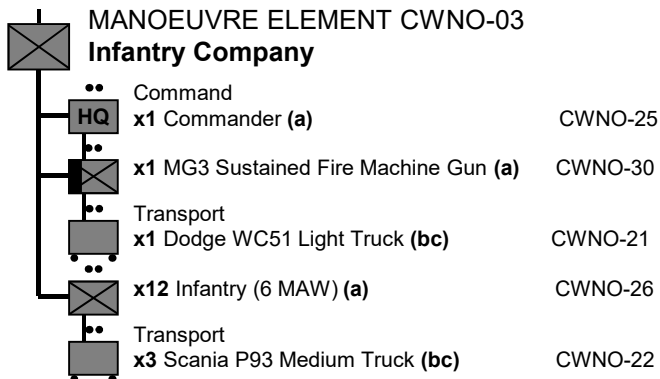
(b) In Brigade South: Replace all Leopards with:  
M48A2 Patton 90mm Medium Tank (c) CWNO-40

(c) Between 1982 and 1985, the M48A2s of Brigade South went through an upgrade programme to M48A5 standard. The Rogaland Independent Squadron was formed in 1986 from brand-new M48A5s. May therefore replace M48A2 with:  
M48A5 Patton 105mm Medium Tank CWNO-02

(d) The Rogaland Independent Squadron was somewhat stronger than other Norwegian Armoured Squadrons. Therefore add:  
x2 M48A5 Patton 105mm Medium Tank CWNO-40



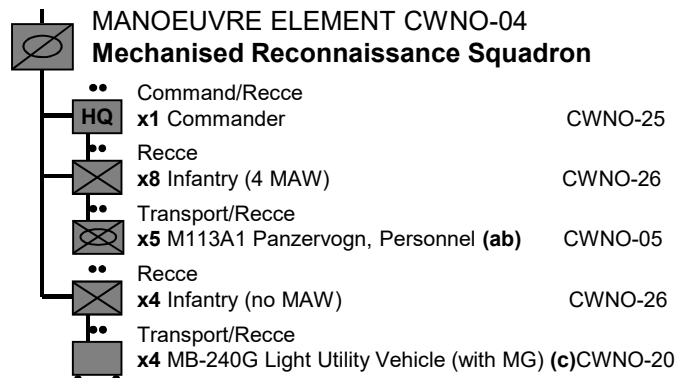
(a) From early 1980s: May replace these M113s with:  
NM135 'Stormpanservogn' 20mm APC CWNO-04



(a) May replace all elements with:  
Ski Troops (treat as cyclists or cavalry) CWNO-23

(b) In Type 78 Brigades there was often only enough motor transport in the Brigade to move one battalion at a time.

(c) In winter conditions may replace all transport with:  
Volvo Bv-202 Arctic Warfare Vehicle CWNO-12  
Or in the late 1980s with:  
Hägglunds Bv-206 Arctic Warfare Vehicle CWNO-39



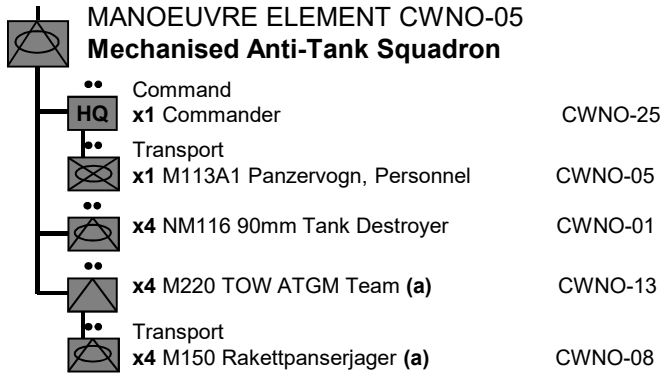
(a) From early 1980s in Type 90 Brigades: Replace M113s with:  
NM135 'Stormpanservogn' 20mm APC CWNO-04

(b) May replace with:  
Volvo Bv-202 Arctic Warfare Vehicle CWNO-12  
Or in the late 1980s with:  
Hägglunds Bv-206 Arctic Warfare Vehicle CWNO-39

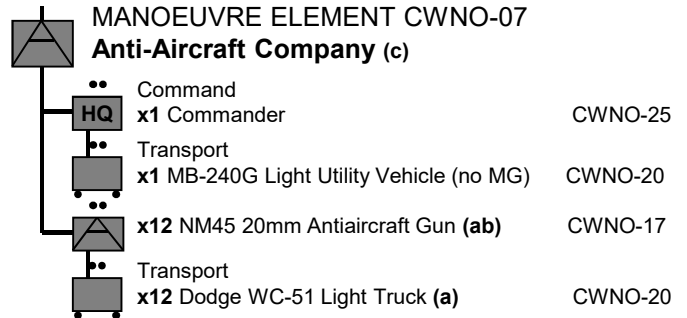
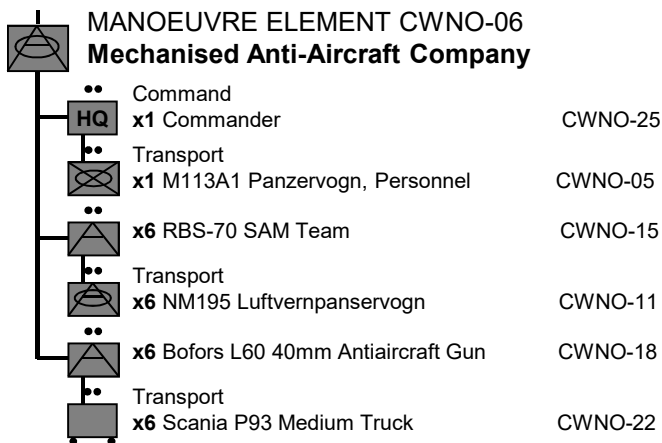
(c) May replace MB-240s with:  
All-Terrain Motorcycles CWNO-23  
Snowmobiles CWNO-19







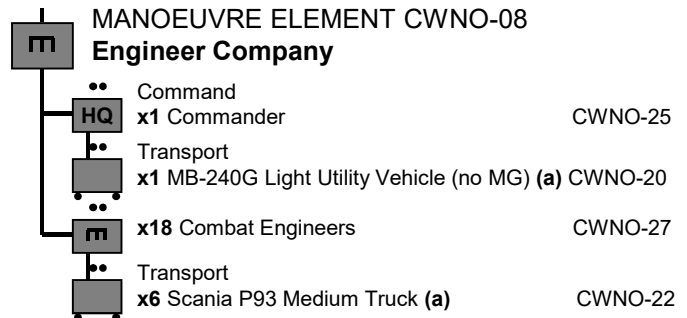
(a) From mid-1980s: Replace TOW ATGM Teams and M150s with:  
x4 NM142 Rakettpanserjager TOW 2 Vehicle CWNO-09



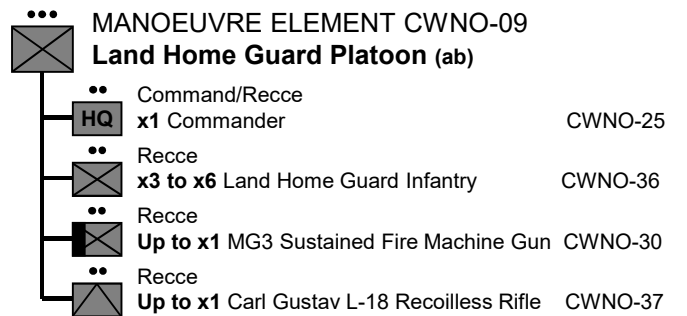
(a) May replace NM45 20mm guns and associated transport with:  
Bofors L60 40mm Antiaircraft Gun CWNO-18  
Scania P93 Medium Truck CWNO-22

(b) May replace x6 Antiaircraft guns with:  
RBS-70 SAM Team CWNO-15

(c) In addition to the companies attached directly to Brigades, there were 22 independent Light Antiaircraft Companies. These units probably did not have RBS-70 SAMs.

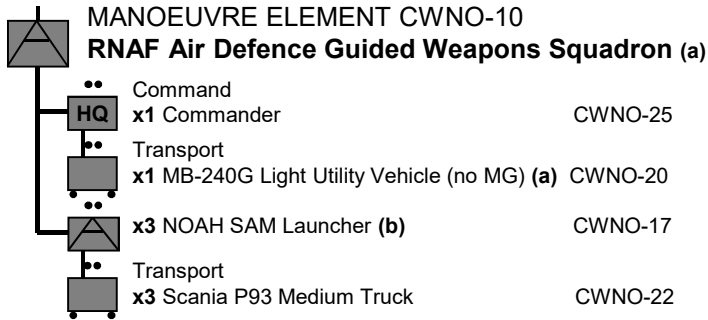


(a) May replace with:  
Volvo Bv-202 Arctic Warfare Vehicle CWNO-12  
Or in the late 1980s with:  
Hägglunds Bv-206 Arctic Warfare Vehicle CWNO-39



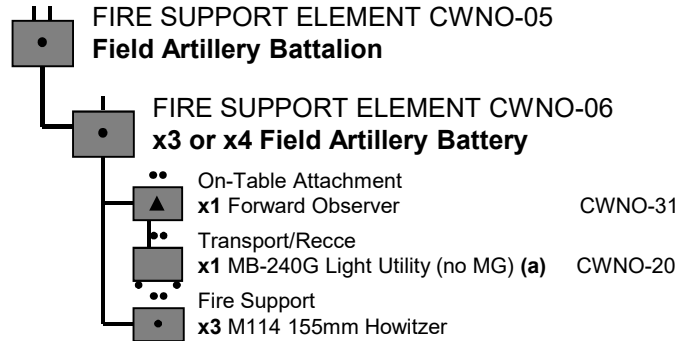
(a) Norway had 470 Land Home Guard Platoons, which reported to the Defence Districts. Some Home Guard platoons were organised as Antiaircraft Batteries. Organisation was probably x3 20mm or 40mm guns, with minimal motor transport.

(b) If 2-4 Home Guard Platoons are fielded, they must be grouped as a single company ME (only one Commander may be fielded – delete the 'spares'). Note that as their local knowledge would most likely be invaluable to regular Norwegian/NATO forces in the harsh terrain of Norway, they would most likely have been employed as scouts. I have therefore classed them as Recce troops.



(a) The RAAF had six such mobile SAM squadrons, as well as four fixed Nike-Hercules Squadrons, though the latter were mainly concerned with theatre rather than tactical air defence.

(b) The NOAH SAM is a variant of the I-Hawk.



(a) May replace with:  
 Volvo Bv-202 Arctic Warfare Vehicle CWNO-12

### Norwegian Air Support Assets

The Royal Norwegian Air Force had five fast jet squadrons, initially equipped with F-104G Starfighters for air defence and NF-5A Freedom-Fighters as multi-role fighter-bombers. The F-104G Starfighters were soon replaced by F-16A Fighting Falcons, followed by some of the NF-5As. Ultimately, four of the five squadrons were re-equipped with F-16A by 1984, with one squadron retaining NF-5A until the end of the Cold War. However, the newly-equipped F-16A squadrons were nowhere near as strong as they had been when operating the older types.

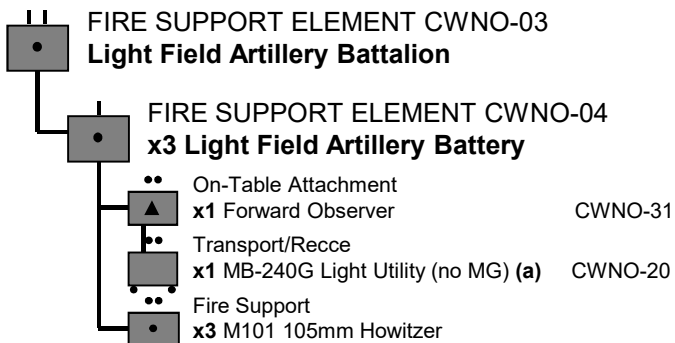
In summary; by 1989 the RAAF had four squadrons of F-16A, each with **x8** aircraft, and one squadron of NF-5A with between **x10** and **x15** aircraft.

The RAAF also had three combat helicopter squadron with a total of **x10** Bell 412 Utility Helicopters and **x6** UH-1B Iroquois.

North, South, 5th, 7th, 12th & 13th Brigades each had a flight of **x1** Cessna O-1A Bird Dog Air Observation Post, operated by the Army for artillery observation and forward air control duties. There were a further **x2** O-1A Bird Dogs in reserve.



(a) May replace with:  
 Volvo Bv-202 Arctic Warfare Vehicle CWNO-12  
 Or in the late 1980s with:  
 Hägglunds Bv-206 Arctic Warfare Vehicle CWNO-39



(a) May replace with:  
 Volvo Bv-202 Arctic Warfare Vehicle CWNO-12  
 Or in the late 1980s with:  
 Hägglunds Bv-206 Arctic Warfare Vehicle CWNO-39





## Norwegian Card List

(Annotations indicate available 15mm or 1/100th models: 'QRF' = QRF Models/LKM Direct, 'SOG' = Skytrex/Old Glory, 'PP' = Peter Pig, 'QC' = Quality Castings/Old Glory 15s, 'FoW' = Battlefront Miniatures/Flames of War, 'RMM' = Roskopf Miniatur Modelle, 'AA' = ArmiesArmy)

Note that Armies Army are the only company currently planning a specifically-Norwegian range. Their Leopard 1 for example, is specifically the Norwegian 1A1NO variant (though could easily be used for other national variants).

<b>CWNO-01</b> – NM116 90mm Tank Destroyer	AA (coming soon)
<b>CWNO-02</b> – M48A5 Patton 105mm Medium Tank	QRF, FoW
<b>CWNO-03</b> – Leopard 1A1NO 105mm Main Battle Tank	RMM, QRF, AA (coming soon)
<b>CWNO-04</b> – NM135 Stormpanservogn 20mm Armoured Personnel Carrier	AA (coming soon)
<b>CWNO-05</b> – M113A1 Panservogn, Personnel Armoured Personnel Carrier	SOG, QRF, PP, FoW, RMM, AA (coming soon)
<b>CWNO-06</b> – M150 Rakettpanserjager TOW ATGM Carrier	SOG, QRF, AA (coming soon)
<b>CWNO-07</b> – NM142 Rakettpanservogn TOW2 ATGM Vehicle	AA (coming soon)
<b>CWNO-08</b> – M106 Bombekasterpanservogn 107mm Mortar Carrier	QRF, FoW, RMM, AA (coming soon)
<b>CWNO-09</b> – M125 Bombekasterpanservogn 81mm Mortar Carrier	QRF, FoW, RMM, AA (coming soon)
<b>CWNO-10</b> – NM198 Kommandopanservogn Command Vehicle	QRF, SOG, PP, QC, FoW, RMM (M577 Command Vehicle)
<b>CWNO-11</b> – NM195 Luftverpanservogn RBS-70 SAM Carrier	AA (coming soon)
<b>CWNO-12</b> – Volvo Bv-202 Arctic Warfare Vehicle	QRF
<b>CWNO-13</b> – M220 TOW ATGM Team	QRF
<b>CWNO-14</b> – 106mm Recoilless Rifle	QRF, PP
<b>CWNO-15</b> – RBS-70 SAM Team	
<b>CWNO-16</b> – NOAH SAM (I-Hawk)	QC
<b>CWNO-17</b> – NM45 20mm Antiaircraft Gun	
<b>CWNO-18</b> – Bofors L60 40mm Antiaircraft Gun	
<b>CWNO-19</b> – Snowmobile	
<b>CWNO-20</b> – Mercedes MB-240G G-Wagen Light Utility Vehicle	QRF, Irishserb (Peugeot P4 – licence built G-Wagen)
<b>CWNO-21</b> – Dodge WC-51 Light Truck	SOG, BF, QRF
<b>CWNO-22</b> – Scania P93 Medium Truck	
<b>CWNO-23</b> – All-Terrain Motorcycles	
<b>CWNO-24</b> – Ski Troops	
<b>CWNO-25</b> – Commander	AA (coming soon)
<b>CWNO-26</b> – Infantry (LAW & MAW)	AA (coming soon)
<b>CWNO-27</b> – Combat Engineers	AA (coming soon)
<b>CWNO-28</b> – 81mm Bombekaster	AA (coming soon)
<b>CWNO-29</b> – M30F1 107mm Bombekaster	
<b>CWNO-30</b> – MG3 Sustained Fire Machine Gun	
<b>CWNO-31</b> – Forward Observer	
<b>CWNO-32</b> – Bell 412 Utility Helicopter	Italeri
<b>CWNO-33</b> – NF-5A Freedom-Fighter Fighter-Bomber	Italeri, Revell
<b>CWNO-34</b> – F-16A Fighting Falcon Fighter-Bomber	Revell
<b>CWNO-35</b> – F-104G Starfighter Fighter-Bomber	Italeri, Revell, Heller, Tamiya, RMM
<b>CWNO-36</b> – Land Home Guard Infantry	
<b>CWNO-37</b> – Carl-Gustav L-18 57mm Recoilless Rifle	
<b>CWNO-38</b> – Cessna O-1A Bird Dog Air Observation Post	
<b>CWNO-39</b> – Hägglunds Bv-206 Arctic Warfare Vehicle	QRF (coming soon)
<b>CWNO-40</b> – M48A2 Patton 90mm Medium Tank	SOG, QRF, FoW, RMM
<b>CWNO-41</b> – Bell UH-1B Iroquois Utility Helicopter	OG, QRF, FoW, Italeri, Revell, Corgi

