WAR IN THE GULF

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WAR IN THE GULF

PROLOGUE

Associated Press news story, 27 February 1995

A young Israeli shot six Palestinian workers in Jerusalem today. This sparked off rioting throughout the Occupied Territories, where a further six Palestinians were killed by Israeli security forces.

The Times, London, 4 March 1995

The situation along the Gaza Strip has steadily worsened throughout the week since Monday's massacre of six Palestinians in Jerusalem. Over two hundred Palestinians and twenty Israelis have been killed in a maelstrom of rising violence, which is the worst Israel has seen in over ten years.

The Washington Post, 11 March 1995

The US has vetoed a Security Council resolution, backed by 14 out of 15 members, to send a UN team to the Occupied Territories to investigate the condition of the Palestinians. This stand is certain to cause increased tension at next week's extraordinary meeting of the Arab League.

Islamic Republic News Agency, Tehran, 17 March 1995

Today's extraordinary meeting of the Arab League in Tehran condemned the atrocities in the Occupied Territories as a \new aggression against the rights of the Palestinian people' and \a dangerous threat to pan-Arab security'. president Hussein of Iraq suggested that some gesture of defiance should be made, particularly against imperialist American forces so that the 'world might stand up and listen'

Al Jumhuriya, Baghdad, 23 March 1995

The mighty and most glorious leader of the Revolutionary Council asks us all to stand up and be counted. 'Shall we not take back what is ours? The infidel Bush threw us out of our rightful home. It is time that we returned, my brothers and returned in strength. Surely the toad Clinton will not stand in our way. God is merciful, god is great.' (Translation)

State Department press release, 24 March 1995

President Clinton strongly denounces the stand of President Hussein in re-opening the territorial issues which were the cause of the Gulf War in 1990-1. Saddam must be made to realise that aggression will not pay. It must be absolutely clear that there will be an appropriate response to any territorial violations'

The Washington Post, 25 March 1995

Defence analysts revealed late last night that two divisions of the Republican Guard were performing \manoeuvres' close to the Kuwait border. The exercises were to the west of Safwan, in the southern Rumaila oil-fields. Tension relating to the ownership of these oil-fields has been at the heart of much of the Iraq-Kuwait territorial dispute in past decades. There is currently a force of about 1,000 US troops stationed in Kuwait and they provide the backbone of the emirate's armed capabilities. Since the massive defence budget cuts of 1993-4, these troops have been funded almost exclusively by the Emir under a novel post-Cold War rapid response insurance scheme. They would therefore be expected to be in the front-line of any defensive response to a border incursion by the Iraqis.

Television news story, 30 March 1995

Late this afternoon elements of the Hammurabi and Nebuchadnezzar divisions of the Republican guard slipped over the Iraq-Kuwait border and occupied installations in the South Rumaila and Sabriya oil-fields of northern Kuwait. It appears that they met little resistance from Kuwaiti troops, since the Emir had asked all American troops to return to barracks yesterday as a \peace-making' gesture. The scale of this invasion seems to be smaller than that of 1990, with only 3,000-4,000 Iraqi troops involved. Surprise is being expressed that the invasion did not carry further south. Analysts believe that this suggests that Iraq is genuinely intent on regaining some of its claimed territory in these oil-fields.

United Nations Security Council Resolution 999, 30 March 1995

The Security Council, Recalling and reaffirming its resolutions 660 (1990), 686 (1991), 687 (1991), 832 (1993), 977 (1995)

Noting that, despite all efforts by the United Nations, Iraq refuses to comply with its obligation to implement resolution 660 and the above mentioned subsequent resolutions concerning the territorial integrity of Kuwait. Mindful of its duties and responsibilities for the maintenance of international peace and security. Determined to secure full compliance with its decisions. Acting under Chapter VII of the Charter,

1.Demands that Iraq comply with resolution 977 and withdraw immediately from Kuwait territory, to two (Cuba and Yemen with one abstention (China)

Private communication to Captain Sean Bannon,

Team Kuwait, Ahmadi, 30 March 1995 To the Commander of Team Kuwait:

The Emir has agreed that at 09:15 tomorrow morning we will begin an offensive to re-take those parts of northern Kuwait which have been overrun by the Republican Guard. This territory includes the offshore islands of Bubiyan and Failaka whose occupation has involved surprising numbers of Iraqi troops. Team Kuwait will be asked to spearhead the assault on these two islands. If you are successful in re-taking these islands then you should cross the Bubiyan Bridge and join up with the majority of our forces who will be involved in the oil-fields of northern Kuwait. Remember that although we are under the American flag, it is the Emir who guarantees our future financing. Make sure you follow your instructions scrupulously.

Await further briefings prior to your landing on Failaka Island.

Chapter 1 - CONTROLS

The game is designed to run using keyboard, analogue joystick or Microsoft compatible mouse. In the following documentation the phrases "click on icon X" and "press fire with the pointer over icon X" are synonymous and should be taken to mean either:

1 - Place the pointer over icon X and press the return key.

2 - Place the pointer over icon X and press the fire button of the joystick (IBM PC only).

3 - Place your pointer over icon X and press the left mouse button.

The default keys defined for direction are the CURSOR keys; the SPACE BAR for fire [left mouse button] and ENTER for the right mouse button. You may change these on the set-up screen if you wish.

While you are playing the game you can use the pre-defined keyboard shortcuts listed below. Additionally, when the keyboard mode is in use you can, at any time, hold down the ALT key and press any other key on the keyboard. The position of the pointer will then be memorised and associated with that key. This position can then be recalled by holding down the CONTROL key and pressing the required key. This allows you to define a cursor

position for every key on the keyboard, if you wish.

Keyboard Shortcuts (for all machines)

Using certain keyboard shortcuts instead of directly using the pointer can become a quick way to perform certain actions, especially when you are not using a mouse.

Key	Action
F1 or 1	Choose Platoon 1
F2 or 2	Choose Platoon 2
F3 or 3	Choose Platoon 3
F4 or 4	Choose Platoon 4
F7 or 7	Select map view for chosen platoon.
F8 or 8	Select 3D view for chosen platoon.
F9 or 9	Select status view for chosen platoon.
F10, F0, or 0	Toggle between map, 3D and status view for chosen platoon.
Escape	Toggle between "Quadrant" and "Full screen" views
Help	Pause Game

Chapter 2. THE START-UP SCREEN

The opening screen resembles an open filing cabinet - all of the information about your battle performances can be accessed from here. On the front of the filing cabinet are three large icons . On the left is the QUIT GAME icon. If you click on this icon then you will be asked to verify whether or not you wish to quit the game. In the middle is the War in the Gulf Language icon, which will allow you to change the language of the text in the game. Your default language is written to disk and recalled the next time you play the game. On the right is the PRACTICE icon, which allows you to play a practice scenario. This scenario will familiarise you with the control of the game, without stretching your tactical expertise. It is highly recommended that you attempt to master this scenario before you pitch yourself into a full-scale battle.

There are eight files available in the filing cabinet, and each one can hold information about your campaigns. When you first start to play the game you will hold the rank of private, and the default name on the left hand side of each file marker is PFC. Bannon. On the right hand side of each file marker you will see the characters #1. This represents the first battle region in Kuwait. There are four battle regions to re-capture if you are to conquer War in the Gulf.

If you wish to start playing the game proper, then you must register yourself as a new player. To do this, locate the pointer over one of the eight file markers and press fire. The relevant file will now pop up from the cabinet, and you will be presented with all of the file contents. Start by typing in the name you wish to use in the area at the top of the registration menu. The program will automatically append all of your combat records under this name in the filing cabinet. Underneath your name you will see recorded your strike rate under KILLS and LOSSES. This details the number of enemy vehicles you have disabled and the number of your own vehicles which have been lost. At the start, since you will not have seen any action, the KILL and LOSS values will both be 0. In the middle of the file is the name of your battle region. At the bottom of the file there are three icons.

On the left is the PLAY icon which takes you into the game via the vehicle identification stage detailed in the next chapter. If you select PLAY before a name has been entered, a request box will appear asking you to register your name.

The CANCEL icon causes the current file to go back into the filing cabinet.

The RESET icon causes all of the campaign information under the current filename to be erased, in case you wish to start your campaign over again.

You may have information for up to eight different campaigns stored in your filing cabinet. All of your campaign information is automatically written to the filing cabinet at the end of each successfully completed scenario. You

may only play a particular scenario at any one time as one of the characters in your filing cabinet. Once each battle has been completed, win or lose, you will return to the filing screen. If you were victorious, then your file will have appended your latest successes, and you may proceed to the next battle. If you were unsuccessful, then the information on your latest battle is erased, and you are free to start where you left off with no penalty.

There are four battle regions in the GULF campaign. If you manage to recapture the first region, by securing all of its battle areas, then you will be rewarded with a promotion to the rank of Corporal. You will then move on to the next region. The tactical skills required will become more complex and demanding. You will have to recapture all four regions in order to completely succeed in your mission. Victory in the Gulf is not going to be simple!

Chapter 3 - THE VEHICLE IDENTIFICATION SCREEN

If you are playing the full game rather than the practice scenario, then you must make the grade at a vehicle identification class before you are allowed to commence. The screen shows the profile of a particular American or Iraqi vehicle from twelve different directions, with a rotating view of the same vehicle at the centre of the screen. You must identify the vehicle by clicking on the vehicle name on the right hand side of the screen.

You will be shown three successive screens with the profiles of three different vehicles, and you must identify all three correctly to proceed. You will only be asked for vehicle identification at the start of each playing session after your machine has been turned on.

In the mayhem of battle it is imperative that you can tell at a glance the difference between an M113 and a BMP-2, if only because if you shoot the wrong one you will be killing men who are on your own side! If you study the section in the manual on vehicle types, you will receive all the information you need for vehicle identification.

Chapter 4 - THE BATTLE SELECTION SCREEN

Once you have graduated from vehicle identification you will be shown a map of your current region on the battle selection screen. This map shows all of the major terrain features of the region, with all of the roads and villages of military significance. At the start of your offensive on the island you will see two different colours of square grids overlaid on the map. Red squares represent battle areas - these are the locations where your battle scenarios will take place. Your offensive in the region will only be successful when you have succeeded in subduing Iraqi forces in all of its battle areas. Blue squares represent those areas you are free to move over to reach the battle areas.

The flashing blue square represents your start position. To move you must place the cursor over an adjacent square and then press fire (i.e. you can only move directly up, down, left or right, where possible). When you reach a red square and press fire you will initiate your attack on that battle area and move to the next portion of the game. The direction of your approach will determine the start position of your tank units in the battle area.

If you succeed in your forthcoming engagement, then when you choose to continue your offensive, you will find that the battle area on which you were victorious has turned yellow. You are then free to move from there over any adjacent squares (blue or yellow), until you choose another red battle area. When all of the battle areas in the region have been retaken you will move on to the next region.

If your battle is unsuccessful, then you will simply return to your previous position on the map. You will suffer no penalty, and may proceed once again.

As the game progresses you will find that you have some choice as to the order in which battle areas can be attacked, or the direction from which your attack can proceed. You will have to make judgements according to all of the information you have gained, and the importance you hold on destroying communications facilities swiftly.

Chapter 5 - VEHICLE AND AMMUNITION PURCHASE SCREEN

At the start of your offensive there is a sum of money (fifty-five million dollars) provided by the Emir for the financing of your campaign. This funding is entirely under your own control, and you will be allowed to continue indefinitely until you have either won a complete victory and completely routed the Iraqis, or you have run out of money. You are not permitted an overdraft, so you must ensure that you are not too profligate with your purchases. If you are victorious in battle, or if you destroy certain key installations, then there will be further credits to your account from the Emir. But you will be debited for any gratuitous 'collateral damage' you cause during your missions, and you will have to pay to restock any vehicles damaged or destroyed, or ammunition used, during your campaign.

The first time you reach the purchase screen you will be asked whether you wish to make a 'default' selection of purchases. If you answer YES, then the four units of Team Kuwait will be stocked immediately to allow you to continue swiftly towards your first battle. Unit 1 will have two M1 Abrams tanks and two ITVs. Units 2 and 3 will have four M1 Abrams each. Unit 4 will have two M2 Bradleys and two M113s. All four units will be fully stocked with ammunition. You may then continue to the next stage of the game by clicking on the icon at the top left corner of the screen.

If you do not wish to make a default selection then you are free (within financial constraints) to select whatever vehicles and ammunition you wish for your four units. Each unit may have up to four vehicles, giving a total of sixteen as the maximum number of vehicles in Team Kuwait.

Along the top of the screen are the names of each unit. The unit shaded in yellow is the one displayed in the main part of the screen. If you wish to refer to a different unit, then simply click on the name of that unit. The total sum of money in your account is displayed on the top right of the screen. This is instantly debited when you make any purchase.

There are three major icons down the right hand side of this screen:

The vehicle purchase icon allows you to buy the vehicles for your Team. Click on the arrows at the bottom of this icon to browse through the selection of all available vehicles. There are four allowed vehicle types - the world's foremost tank, the M1 Abrams; the all-purpose M2 Bradley; the M113 armoured personnel carrier and the TOW missile carrying ITV. Below each vehicle you will see its purchase price. You will find that there are also sub-standard versions of each vehicle available for purchase at a cut-down price. These might prove useful if you are in financial difficulty, but be warned that these vehicles will not perform as well as their fully fitted counterparts in battle.

When you have decided how you wish to stock your unit, then click on the tick at the bottom of the icon to purchase the currently displayed vehicle. You may choose up to four vehicles for each of your units, so long as you have money to pay for them. Once you have made a purchase you will not be allowed to change your mind without cancelling the forthcoming battle and starting again. So, make sure you get what you want!

You may now stock your vehicles with weapons using the weapon purchase icon. Use the arrows under this icon in the same manner as above to browse through the full selection of available weaponry, and use the tick to make a purchase. There are four different types of ammunition available - HEAT, SABOT, TOW and SMOKE missiles. Each vehicle can only carry certain types of missiles, so when you make a purchase the program will automatically distribute the weapons between the relevant vehicles as it sees fit.

You will not be allowed to purchase unsuitable weapons, or more weapons than your vehicles can carry. Because some of the vehicles can carry many weapons (for instance a single M1 may be armed with up to 30 SABOT missiles), you will find selections of groups of ten missiles, so that you do not have to purchase everything individually. You cannot buy weapons on their own - they can only be bought for previously purchased vehicles.

The lowest icon on the right hand side is the extras icon. There are three options accessible by clicking on the arrows. The repair option allows you to repair vehicles damaged in battle, or to repair sub-standard vehicles. Each click will repair a percentage of the damage to the vehicles in the displayed unit (for the cost displayed under the icon). When the lower bar to the right of a displayed vehicle extends to the edge of the main part of the screen it is fully repaired. The morale icon allows you to improve the morale of your vehicle crews by providing them with some R&R. This is difficult to provide in the Gulf, and is therefore very expensive! The morale of the crew in any vehicle is represented by the upper bar to the right of the vehicle in the main part of the screen.

Note that incrementing both damage and morale not only costs money, but takes time. You will have to take this into account, because extra time gives the enemy more time to re-group and to counter your attack with more forces.

The time option allows you to increment the time in steps of one hour units. This allows you to decide on the time of your attack. The major use you might make of this feature is when you do not wish to make an attack at night. (It is dark between the hours of 11 p.m. and 4 a.m.)

You should ensure that you purchase vehicles AND weapons for ALL of the desired units in your Team before you move to the next screen. You are not allowed to change previously chosen vehicles.

When you are happy with your selections, you may proceed to the briefing screen by clicking on the icon at the top left corner of the screen.

Chapter 6 - THE BRIEFING SCREEN

The briefing screen presents all of the intelligence information and command instructions for your forthcoming scenario, and also allows you to set up artillery bombardments where applicable.

In the central part of the screen, to the left, you will see a full map of the battlefield area. This displays all of the major terrain features - forests, roads, rivers and villages. It also shows the disposition of your forces at the start of the battle. Each unit of Team Kuwait is represented by an American flag. To the right of the map is a notebook which details all of the important information available to you before the battle. You may flip through this notebook by clicking on the arrows at the bottom or top of each page, where applicable. There is nothing to prevent you from reading through the notebook as many times as you wish. Beneath the map you will see displayed the battle commencement time on an LCD display.

The crossed swords icon will take you into the full battle. After you have clicked on this you will be asked to confirm that you wish to go into battle. Make sure that you are fully prepared!

The notebook icon reactivates the notebook if you have previously activated one of the next two icons. This contains your briefing based on all available information before your engagement.

The eye - or information - icon is a special feature which allows you to glean further information from the map. When you are in information mode place your pointer over the map, and you will notice that it changes shape into a cursor. If you click at any point you will notice that a flashing box will appear on the map. This box appears at the closest point of special interest relative to your cursor position. The notepad will now display the particular information about this position on the map. You will find out important facts relating to local topography when you use this feature. Alternatively, now that you are in information mode, you can look at all the special points of interest simply by clicking up or down through the notepad. When you get to a new page, the new point of interest flashes on the map.

The cannon icon allows you to set up artillery barrages or lay minefields in advance of the battle. You are not able to access artillery or mines during the battle itself. You will sometimes be allowed to create a number of separate barrages of HE (High Explosive), DPICM (Dual-Purpose Improved Conventional Munitions) and SMOKE shells, or to lay mines over a chosen 400mx400m area. The precise availability of artillery will depend on the particular engagement you have chosen - some battles do not allow you any artillery or mine backup. The precise details of each barrage that you set up for the battle may be varied on the overlays which appear on the notepad. By pressing either of the two arrows next to the timer on the overlay you may alter the start time for a particular barrage. (This is not relevant in the case of laying mines.) Clicking on the red cross stops any chosen barrage from taking place. The location for a particular barrage is shown by a flashing yellow square on the map. This location may be changed by moving the cursor over the map and clicking at the desired position. For further information on the available artillery types, please read the glossary near the end of the manual.

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Chapter 7 - THE GAMEPLAY SCREENS

You have access to all 16 vehicles in Team Kuwait, and you are going to have to become proficient at managing all of them! In either quadrant mode, when all four platoons may be controlled at once, or full-screen mode, when the display homes in on just one platoon, you have the flexibility to display either an overhead map view of the surrounding area, a simulated 3D view of the battlefield, or a status screen showing the performance of all vehicles in a platoon. Irrespective of which screen mode you choose during battle, there is a constant column of information to the right of the screen.

Just beneath the game logo you will see the current state of your bank balance, which is updated as soon as it changes during the game. Beneath this there is a white flag, or game QUIT icon, which allows you to exit the battle. You will be asked to confirm this decision before you are allowed to quit. To the right is the game PAUSE icon, which allows you to take a break during battle. Underneath, you will find the TIME display, which gives the time in hours, minutes and seconds on a 24 hour clock. You should keep an eye on this to note forthcoming artillery attacks or when your scenario involves a deadline.

Beneath the clock there are two STRENGTH bars topped by Iraqi and American flags. These show the relative strengths of the two sides, calculated according to casualty and morale factors. At the bottom of this column you will see your RANK displayed graphically. Along the bottom of the screen there is a single text line which will display any vitally important information. You will be told about forthcoming artillery strikes, casualties in your team or hits on opposing cavalry.

Quadrant Mode

When you first enter the game you will be in quadrant mode, where the active part of the screen is split up into four sections relating to each of the four platoons of Team Kuwait. The upper row of icons in each quadrant allow you to alter what is viewed on the screen. The leftmost icon will expand the view of that particular platoon to occupy most of the screen - in this full screen mode you will be offered extra features - but you will not be able to see all of the action. In the middle, the name of the platoon is displayed. To the right there are three icons. The map icon changes the view to a map quadrant with a plan view of the battlefield. The 3D view icon changes the view to a 3D simulation of the battlefield. The status icon changes the view to a screen detailing the status of all vehicles in that unit. The icon corresponding to the current viewing mode is shaded in yellow. Chapter 1 details how to access these features by using the keyboard.

At the start of the game each quadrant displays a simulated 3D view of the battlefield:

3D View Quadrant

To the left there are two icons, one above the other.

The red dead stop icon allows you to halt the movement of your unit. It is a toggle switch, and so when clicked again your unit will start to move at full speed. When you start the game you will always be stationary. You are only able to set your course and speed using the map views, rather than the 3D views.

The zoom icon will magnify the view on the screen by a factor of 6. This icon toggles between magnify and non-magnify.

To the right of these two icons are two red arrows which form a rotate icon, allowing the player to rotate the view clockwise or anti-clockwise through 360 degrees. This is equivalent to rotating the gun turret - IT DOES NOT ALLOW YOU TO ALTER THE DIRECTION IN WHICH YOU ARE TRAVELLING. Between the two rotate arrows lie two compasses: the upper (red) compass shows the direction which you (i.e. the gun turret) are facing; the lower (green) compass shows the direction in which the vehicle is facing. If you click on the central part of the compass, then your view will rotate towards the direction in which you are travelling. Useful shortcut for players with a mouse: If the player depresses the RIGHT mouse button while the pointer is on the 3D view, then the view will rotate at a rate relative to the distance of the pointer from the centre of the view. (The further the pointer from the centre, the faster the rotation.)

To the right of the compasses are five icons which represent the various types of weaponry available to the unit.

Clicking on any of these is equivalent to a command to the loader to load a particular shell. When the shell is selected the icon clicks in (like a radio button) and when it is loaded the icon lights up. You will also hear a signal when the weapon is available for firing. The weapon loading times accurately reflect the time taken for a vehicle to rearm itself in battle. Once a weapon is fully loaded, the pointer becomes a set of sights when moved over the 3D display. Clicking at a particular point on the landscape leads to the shell being aimed at that point (with some predetermined inaccuracy factors). The five available weapon types, from left to right, are:

HEAT -   a high explosive anti-tank round;
SABOT -   an armour-piercing tungsten shell;
TOW -   a high-range anti-tank missile (note in particular that this may only be fired when your vehicle
                   is STATIONARY);
SMOKE -   a smoke grenade which allows enemy vision to be obscured;
MACHINE GUN -   which is always available to the player and has an 'infinite' number of rounds.

Most platoons will not have all weapon types available (for instance, the M1 Tank does not carry TOW missiles). If a weapon is not available then that particular icon will not be displayed.

Once the platoon has no more loaded shells of a particular type there will be a delay before it is possible to use them again, according to the re-load times of your weapons.

All of these screens operate in a multi-tasking mode. This means, for instance, that while you are waiting for one platoon to load its weaponry, you are free to do anything you wish with any other platoon.

Map Quadrant

The map quadrant screen allows you to alter the movement and formation of any platoon. The whole of the map may be viewed at once, or you may zoom into any portion of the battlefield using the icons to the right of the map. All of the major terrain features of the battlefield are displayed on the map - roads are light grey, rivers are blue, forests are green shaded clumps, and buildings are marked as red and white boxes.

There are two zoom icons represented by magnifying glasses. Clicking on the upper zoom icon magnifies the resolution of the map. Clicking on the lower zoom icon de-magnifies the map. There are seven levels of magnification. On the lowest level the whole width of the battlefield - 4 miles across- is displayed. On the highest magnification the width of the displayed map is 0.2 miles across. The full width of the map in miles is shown between the two zoom icons.

If you have a mouse, and you are not viewing the whole battlefield, you may scroll the map in any direction by locating the pointer over the map and depressing the right mouse button. The map will then scroll at a speed and direction relative to the position of the cursor from the centre of the map.

In order to move your platoon you have to provide information about the desired destination and the speed. Place the pointer over the map at the required destination and press fire. A crosshair will be left on the screen to mark the current destination point. Now go to the slider bar and set the intended speed of travel. You may do this either by clicking on the arrows at the top or bottom of the slider bar, to increase or decrease the platoon speed respectively, or by moving the pointer to the desired speed. The current speed is displayed, in miles per hour, under the bottom arrow of the slider bar.

The expected time of arrival, or ETA, at the current destination is printed at the top of the right hand side of the map quadrant. Note that only one destination is allowed for any platoon at any time, and that this destination may be altered at any time, whether or not the previous destination has been reached. The maximum speed of any of your vehicles is 50 miles per hour. The maximum speed you may achieve depends on the terrain type across which you are travelling. If you wish to travel by the fastest possible means, try to find a suitable road.

Status Quadrant

The Status Quadrant is accessed by clicking on the status icon. Every vehicle in the unit will then be displayed on the screen. (By now you will, hopefully, be able to recognise and identify the profile of all of your vehicles!) To the right of each vehicle are two bars. The upper bar represents the morale of the personnel in the vehicle. Morale

is improved when the vehicle achieves a hit on an Iraqi tank, and decreases when the platoon is fired at, or there are losses on the American side. The lower bar represents the efficiency of the vehicle and its personnel. The efficiency decreases when the vehicle has suffered some damage from opposition fire power. The values of morale and efficiency affect the ability of your platoon to strike the opposition accurately and swiftly when a command to launch a weapon is raised. If a vehicle is terminally damaged it will turn red on the status screen. That vehicle and any remaining personnel will be left behind when the platoon moves on. If all of the vehicles in a platoon are disabled, that platoon becomes ineffective, and a red status screen will be displayed. You are also able to alter the quadrant view of a disabled unit to display the map of the battlefield.

Full Screen Mode

You may expand the view to one single unit by clicking on the top left icon of any of the quadrants. This will take you into full screen mode for that platoon. The top row of icons in this mode are identical in function to those in quadrant mode. The only difference you will note is that all of the units are named, with the current platoon in view highlighted in yellow. If you click on another unit name then the screen will change to a full screen view for that unit

Full screen 3D view

This type of view is identical to the quadrant 3D view, except that it occupies the full screen(!) and there are additional facilities available. The control panel underneath the view has the following icons:

Engine smoke icon. Clicking on this icon causes your platoon to produce engine smoke. This will prove very useful in confusing your enemy if you find yourself in a tight corner. If you find that you are always getting badly damaged by the enemy, try to use engine smoke more frequently.

Infra red (or thermal) imaging icon. This system is vital to see what is happening when it is dark, or when enemy forces are covered by smoke. Anything which produces heat can be imaged using a thermal sight - you will soon get used to identifying vehicles by their thermal image. This feature is very useful for identifying vehicles camouflaged on the edge of forests. The thermal image generated in a modern tank is green and not red.

Rotation icon and compass display. These work in the same way as in the quadrant view, and the mouse shortcut still applies.

Dead stop icon. This allows you to come very quickly to a dead stop. You will find this feature very useful if you suddenly find a target, and you need more accuracy or you need the use of TOW missiles.

Zoom icon. When this icon is accessed, the central portion of the screen is magnified by a factor of 6. You will find the zoom facility essential for spotting vehicles which are over 500m away. Since the range of some of your (and the enemy's) weapons is over 2 km, using the zoom feature may save Team Kuwait from destruction. Note that if you rotate your view when you are in zoom mode, the speed of rotation is slower than in normal viewing mode.

Weapon icons. These icons work in identical fashion to the quadrant weapon icons. The only difference is that the number of remaining missiles for each type is displayed underneath each icon. If you have more than one hundred missiles of a particular type in your unit, the number displayed will be ninety nine.

Laser range finder icon. Underneath the weapon displays you will find the laser range finder, which lights up red when in use. The range finder will lock on to a reflective target (such as an armoured vehicle) if the firing cursor is placed directly over the object. You will know that the system has locked on when the cursor changes shape to a rectangle. The range finder, however, will not keep a moving object permanently locked - so it is easiest to use on a stationary target when you are stationary. Remember, though, that when you are stationary you present an easier target for your opponent. Although use of the range finder will increase your shooting accuracy, it does not provide a 100% hit rate. Clicking on this icon will toggle range finding on and off.

Full screen map view

The full screen map for a particular unit has all the capabilities of the quadrant map, as mentioned earlier, with some additional features. On the map itself you will see that the flags relating to each Team Kuwait platoon have a number next to them - these relate to the platoon number of that unit. The extra icon features to the right of the map are as follows:

Scroll icon. The four arrows underneath the ETA display allow you to scroll your map in any of the four directions. The shortcut of using your right mouse button to scroll still applies. If you click on the region in the centre of the arrows the map will automatically centre on your platoon position, and if you are moving the map will scroll to keep your unit at the centre of the display.

Dead Stop icon. This red icon, just to the bottom left of the speed slider bar, causes your platoon to come to a dead halt when clicked.

Wide formation icon. This increases the spacing between vehicles in your platoon to 100 metres. You might wish to increase your formation spacing if you are travelling in file through a narrow gap between trees. If you are spotted while you go through the gap, then you will have more time to react.

Narrow formation icon. This reduces the inter-vehicle spacing in your platoon to 50 metres.

The bottom six icons of the vertical column to the left of the screen allow you to change the formation type of the vehicles in your platoon:

1 - The In line icon places your vehicles in a line abreast relative to your direction.

2 - The Column icon places your vehicles in a line ahead relative to your direction.

3 - The Echelon right icon places your vehicles on a left to right diagonal relative to your direction.

4 - The Echelon left icon places your vehicles on a right to left diagonal relative to your direction.

5 - The Wedge icon places your vehicles in a wedge formation.

6 - The Vee icon places your vehicles in a Vee formation.

The choice of different formation types will alter your exposure to enemy fire according to your relative locations.

Full screen status view

As in the quadrant status view, the morale and efficiency of each vehicle in a platoon is displayed. The extra information provided in full screen view is the number of available weapons for each vehicle in your platoon. All vehicles in Team Kuwait are armed with an 'infinite' number of machine gun rounds. Particular damage to any vehicle is displayed in red.

Chapter 8 - THE DE-BRIEFING SCREEN

A battle may end for a number of reasons. You may have won because you have reached a desired location, held a defensive position for enough time, or destroyed the majority of the opposing forces. You may have lost because you have not gained a desired attacking position, held a defensive position for long enough, or lost too many of the vehicles of Team Kuwait. In general, if you do not achieve your objectives within forty playing minutes, then you will lose the battle. If you fulfil all of the mission objectives mentioned during briefing then you should be victorious, if not then you will certainly have been defeated.

When the end of the scenario has been reached you will be told the outcome in the text line at the bottom of the gameplay screen. You then have the option to click on this line in order to view the de-briefing screen, or to quit the game using the white flag icon. The reason we have provided this option is for the case when you have WON

a scenario, but have lost so many vehicles or been debited so much money that you would rather re-try the scenario again. If you win a scenario and then select to go onto the de-briefing screen, then all of your gameplay information is written to disk for the start of the next scenario. You may review the status of all of your platoons before deciding whether or not to go to de-briefing and hence increment your game file. In this case you will not be allowed to repeat the battle again using the same registered player file. Note that if you have LOST the scenario, then you will have to replay the scenario again and no information is written to your game disk.

If you move to the debriefing screen, then you will receive a summary of your battle progress. Once you have noted the comments on this screen then press fire to return to the start-up filing screen. The game can then be continued as before.

Chapter 9 - HOW TO PLAY WAR IN THE GULF

Strategy

Before launching yourself into a scenario it is best to use the briefing information to decide on your strategy for the forthcoming battle. Quite often you will be expected to position your vehicles or take some action very quickly at the start of the scenario (particularly if it is a defensive scenario). Through practise you will learn the strike power of Team Kuwait, as well as the enemy.

If you are in a platoon manned with M1 tanks, you therefore have very little to worry about from a BTR, and you should dispose of it at your leisure, while realising that the threat from a T72 is rather more potent. The TOW missiles on your M-2's and ITV's are your most potent weapons in terms of strength and range, but remember that your vehicle must be stationary before they can be fired. Because you have to control four tank platoons simultaneously in War in the Gulf, we have not been strictly accurate in our operation of these wire guided missiles.

Instead of leaving you to control and aim the missile over its flight of up to 15 seconds (thus causing you to relinquish your control of everything else that is going on), we have treated the TOW as a normal missile - once launched it will strike the area you have aimed at. The loading times for all of the missiles are accurately presented and reflect the length of time it takes for a missile to be loaded after the tank commander (you!) has ordered his gunner and loader to set up a target. It is part of the frustration of war that it takes some time to load an appropriate missile when confronted by a new and threatening target.

Because of the importance of communications facilities to the Iraqi forces, these will play a crucial role in your mission. The following section, Communications facilities, provides detailed information regarding this aspect of the mission.

It is worth remembering that tank battles are often fought at long range, and in particular that a platoon of tanks in the middle of a sandy plain are 'cannon-fodder' for suitably placed opposition. The tree line provides very adequate protection for tanks, because of the camouflage provided by the trees. In War in the Gulf, you will find that the clumps of trees on your battle map extend about 75 metres further than they do on the three dimensional display. This denotes the area where you can place yourself in order to look out on the battlefield while still camouflaged from your enemy. It is therefore often a good policy to always look for an appropriate area of tree line when considering your manoeuvres. As soon as you fire, however, you will give your opponents a chance to locate you for about ten or fifteen seconds, if they happen to catch a glimpse of smoke from your gun barrel. Remember that the opposition can use the same tactic of utilising tree cover. Your infra-red sights will often be invaluable to spot vehicles which would otherwise be hidden in the tree line.

The magnify mode on the 3D view is very powerful. Since you should be able to destroy a vehicle which is well over a mile away from you, you will often need to use the magnified sights in order to locate the enemy before they spot you. When you are being attacked try to locate the precise vehicles which are firing at you, since they will be the most potent threat. It is obviously more urgent to dispose of a threat which is attacking you rather than one which is performing some other action!

The position of known Iraqi units will often be marked on the map displays with a flag representing each unit. These flags will be displayed either when the player should have the units in his sights or when there has been information received from intelligence. However, just because an Iraqi flag does not appear on the map does not

necessarily mean that there are no Iraqi units nearby. For instance, if an opposing force is in an area where a spotter unit would be unlikely to be able to track them, there will normally be no information presented on the map screens. It is up to you to seek and destroy the enemy.

It is inevitable that some of your battles will be due take place at night. It is dark between the hours of 11 p.m. and 4 a.m. Between these times you will find that all of your normal external views are completely dark. If you do not wish to join battle in the dark, then you have the option to increment the time on the vehicle purchase screen. But remember that time is of the essence during this campaign, and you will lose valuable hours. If you are going to fight at night then you must use your infra-red sights at all times. At first this will seem quite disconcerting, but you will have to learn to cope!

Communications facilities

As you will already have gathered, one of your constant objectives during War in the Gulf is to locate and destroy as many communication facilities as possible. The Iraqis have taken over and supplemented the communication facilities throughout Northern Kuwait. It is vitally important that the Iraqis are not able to get early warning of the disposition and performance of your forces. In each region, the longer it takes you to achieve success, and the longer it takes you to destroy communication centres, the harder you will be attacked by Iraqi forces. Keep this in mind when you decide to do repairs, or give your tank crews some time off. It is a fine balancing act.

Sometimes you will find that intelligence has pinpointed certain facilities with great accuracy, and you will be told this during your mission briefing. However, there may be some communication stations which have escaped their eyes, and so you will have to search for these during your offensives. Your battle maps do not show the location of most comms centres, so you will not have any extra information from this source

Scout Units

In many battle areas there are also isolated 'scout' vehicles, which the Iraqis use to help locate and assess your movements. These are modified BTR personnel carriers which can travel at fairly high speed. They will appear on your battle maps in the same manner as any other opposition vehicle. Although they cannot cause any physical damage to your Team, it will be vital to locate any 'scouts' within your area so that information is not passed on to other enemy units.

There are many different types of buildings and objects which you will come across throughout Northern Kuwait. They range from mosques and houses, to factories and satellite dishes. Every object which you can see can be destroyed.   The amount of explosive force required depends very much on the type of structure you are attacking. A statue or palm tree will collapse if directly hit by a HEAT missile. A factory, on the other hand, might require many direct hits from TOW missiles to be completely destroyed. It is important that you try to aim at the centre of any object if you are going to destroy it efficiently and without wasting valuable and expensive ammunition.

Every object which you destroy will have an effect on your financial balance sheet. Buildings which are clearly Kuwaiti property and not a direct part of the Iraqi war effort should be left in tact. After all, the billions of dollars of damage done to property in the last Gulf War is still foremost in the minds of the Kuwaitis. Any unnecessary building which is destroyed, even by the Iraqis, will result in a fine being imposed, and an immediate reduction to your financial account. ItÆs therefore to your advantage to subdue the Iraqis as quickly and efficiently as you can. The scale of these charges will become apparent to you as they happen, and you will learn how to proceed by experience. On the positive side, the destruction of any buildings which are useful to the Iraqi war effort will be handsomely rewarded. Virtually all communications or production facilities fall into this category. Sometimes, if the level of destruction is too great, then your battle will be forcibly terminated. You will learn that in the middle 1990's excessive collateral damage is no longer politically acceptable!

Terrain

The topography of each battle area will profoundly affect the way in which you approach each battle. Obviously you need to determine those places where you might get cover and, alternatively, where the enemy might gain some cover. If you need to perform tasks swiftly, or need to take fast action, you also need to evaluate the speed

with which you can move cross country. A group of M1s can achieve nearly twice the speed on a road than over the sand. You should investigate the various speeds with which you can traverse different types of terrain, and build these factors in when determining the optimum routes to take. One extra feature which War in the Gulf has are craters which can appear if there is missile damage on roads. These tracks can cause a significant decrease in your speed over small distances. You are able to create craters yourself, and these will slow down Iraqi vehicles just as effectively as your own. If you remember this, then it might prove very useful to you in the later stages of your Gulf campaign!

Chapter 10 - VEHICLE TYPES

Team Kuwait

M-I Abrams Main Battle Tank

The M-I Abrams is the fastest and best protected main battle tank in service with any army in the world today. Its 105 mm gun is extremely effective and, while it does not have the muzzle velocity of the 125 mm hypervelocity smoothbores of Soviet tanks, its advanced ammunition and very effective ballistic computer combine to give comparable or superior performance.

New SABOT ammunition (see glossary) has recently increased this effectiveness. The thermal sights, allowing the gunner improved visibilbiity through smoke and darkness, give the vehicle a unique combat advantage over its adversaries.

The M-I uses 'Chobham' composite armour, which contains an large outer layer of hard steel, with successive inner layers of other metals and ceramics. This type of armour very effectively absorbs the heat from the hot gasses of HEAT ammunition. The cost of each M-I tank is in the region of $2,500,000.

Specifications

Crew	4	Weight (Tonnes)	54.5
Full Length (cm)	977	Engine Type	Turbine
Road Range (km)	498	Max Speed (kmlh)	72.4
Max Speed Off-road	48.3	Frontal Armour (mm)	380
Main Gun	Smooth	Calibre (mm)	105
Effective Range (m)	2500	Max rate (round/min)	8
Total Rounds	55	HEAT Rounds	Yes
SABOT Rounds	Yes	TOW Rounds	No

M-113

Armoured Personnel Carrier The M-113 is the basic armoured troop carrier in the U.S. Army, and has been since the Vietnam War. It was designed 'to provide a lightweight, armoured personnel carrier for armour and infantry units capable of amphibious and air drop operations, superior cross-country mobility and adaptations to multiple functions'.

The all-welded aluminium hull protects the crew from small arms fire and shell splinters. It is fully amphibious, being propelled in water by its tracks. Successful adaptations include the M163 Vulcan self-propelled anti-aircraft gun, the M577 Command Post and the M901 Improved TOW Vehicle.

The M-113 is going to be replaced by the M-2 Bradley Infantry Fighting Vehicle, but the slow procurement rate means that many US mechanised units will continue to use the M-113 into the 1990's.

Specifications

Crew (+Squad)	2 (+11)	Weight (Tonnes)	11.2
Full Length (cm)	486	Engine Type	Diesel
Road Range (km)	321	Max Speed (km/h)	64.4

Max Speed (Water)	5.8	Frontal Armour (mm)	38
Main Gun	Machine	Calibre (mm)	12.7
Effective Range (m)	500	Max rate (round/min)	N/A
Total Rounds	1200	HEAT Rounds	No
SABOT Rounds	No	TOW Rounds	No

M-2 Bradley Infantry Fighting Vehicle

The Bradley is a reasonably protected infantry carrier and is extremely mobile and well armed. The hull of the M-2 is of welded aluminium armour with additional laminate fitted to the hull front, sides and rear. It is fully amphibious, being propelled through water by its tracks.

By 1987 only 3000 Bradleys had been delivered to the US Army out of a procurement of nearly 7000 vehicles. The M2 has come under considerable fire from critics due to its expense and slow delivery. Critics also suggest that its inferior armour protection will hamper its ability to operate with the M-1 tank. An effort is being made to equip battalion scout platoons with Bradleys, however, and this is the case in the novel Team Yankee.

The M-2 has extra firing ports to side and rear and can carry a full rifle squad. It is worth noting that the M-2's TOW missiles may only be launched when the vehicle is stationary.

Specifications

Crew (+Squad)	3 (+6)	Weight (Tonnes)	22.7
Full Length (cm)	645	Engine Type	Diesel
Road Range (km)	463	Max Speed (km/h)	66
Max Speed (Water)	7.2	Frontal Armour (mm)	60
Main Gun	Cannon	Calibre (mm)	25
Effective Range (m)	1000	Max rate (round/min)	100
Total Rounds	900	HEAT Rounds	No
SABOT Rounds	No	TOW Rounds	2+5

M-901 Improved TOW Vehicle (ITV)

This is a variant of the M-113, mounting the 'hammerhead' armoured TOW launcher in an overhead mount.

The launcher assembly contains twin TOW launch tubes, with another 10 launch missiles carried in the hull. This gives the ITV the ability to park with the entire vehicle behind cover and only the missile launcher exposed. The launcher can also be reloaded from inside the vehicle.

A major disadvantage is that the armoured TOW launcher and ammunition carried internally have badly overloaded the chassis and reduced its mobility significantly. Also, remember that a TOW missile can only be launched from a stationary vehicle.

The ITV is the standard anti-tank missile carrier of the U.S. Army, having first entered service in 1979.

Specifications

Crew	4	Weight (Tonnes)	11.2
Full Length (cm)	486	Engine Type	Diesel
Road Range (km)	321	Max Speed (km/h)	55
Max Speed (Off-road)	N/A	Frontal Armour (mm)	38
Main Gun	None	Calibre (mm)	-
Maxrate (round/min)	-	Total Rounds	-
HEAT Rounds	No	SABOT Rounds	No
TOW Rounds	2+10	Effective Range TOW	4000m

Vehicles - Iraq

T-62 Main Battle Tank

First fielded in the 1960's, the T-62 was the first major tank to use a smooth bore gun.

There were severe limitations due to engineering design, which for example, meant that reloading could only occur at a set turret angle and barrel elevation.

The T-62 has now been superceded in front line service by more modern types, such as the T-72. It is still found in second line Soviet units and in the armed forces of the other Warsaw Pact nations.

Specifications

Crew	4	Weight (Tonnes)	37.5
Full Length (cm)	933	Engine Type	Diesel
Road Range (km)	450	Max Speed (km/h)	50
Max Speed (Oft-road)	N/A	Frontal Armour (mm)	200
Main Gun	Smooth	Calibre (mm)	115
Maxrate (round/min)	3-5	Effective Range	1500m
Total Rounds	40	HEAT Rounds	Yes
SABOT Rounds	Yes	Anti-Tank Rounds	No

T-72 Main Battle Tank

The T-72 is one of several modern tanks that equip the Red Army, and was its main battle tank throughout the 1970s.

It is a logical, progressive development of the T-62, incorporating a larger gun, improved fire control system, better protection and a more powerful power plant. The strange drums on the back of the T-72 are long range fuel tanks.

In the late 1980's a new model was spotted, which had a bulging turret front, known colloquially as the 'Super Dolly Parton'.

Specifications

Crew	3	Weight (Tonnes)	41
Full Length (cm)	953	Engine Type	Diesel
Road Range (km)	450	Max Speed (km/h)	70
Max Speed (Off-road)	N/A	Frontal Armour (mm)	250
Main Gun	Smooth	Calibre (mm)	125
Maxrate (round/min	6-3	Effective Range	2000m
Total Rounds	39	HEAT Rounds	Yes
SABOT Rounds	Yes	Anti-Tanks Rounds	No

BMP-2 Infantry Fighting Vehicle

BMP is an abbreviation for Bronevaya Maschina Piekhota, or "Armoured Vehicle, Infantry".

The BMP-1 was the first infantry fighting vehicle in the world to mount a cannon and antitank missile armament, thus giving the rifle squad the ability to engage enemy armour at substantial ranges with a reasonable prospect of success.

The newly-introduced BMP-2 is an improved version with a larger turret which mounts a 30 mm autocannon, and an AT-5 'Spandrel' anti-tank missile.

Crew (+Squad)	3 (+6)	Weight (Tonnes)	14.5
Full Length (cm)	674	Engine Type	Diesel
Road Range (km)	500	Max Speed (km/h)	70
Max Speed (Off-road)	N/A	Frontal Armour (mm)	19
Main Gun	Auto-cannon	Calibre (mm)	30
Effective Range	1000m	Max rate (round/min)	N/A
Total Rounds	40	HEAT Rounds	No
SABOT Rounds	No	Anti-Tank Rounds	Yes
Anti-Tank Range	4000m		

BTR-60 Armoured Personnel Carrier

The BTR-60 is a wheeled armoured personnel carrier which equips many Soviet motorised rifle units.

The advantage of a wheeled vehicle is a higher road speed, lower manufacturing costs, and generally increased ease of maintenance and mechanical reliability.

The main disadvantage is that a wheeled vehicle loses more of its road speed when travelling cross country - however, it is sufficiently fast on the road that it can keep up with most tracked vehicles cross country.

Specifications

Crew (+Squad)	2 (+12)	Weight (Tonnes)	10.2
Full Length (cm)	722	Engine Type	Petrol
Road Range (km)	500	Max Speed (km/h)	80
Max Speed (Off-road)	N/A	Frontal Armour (mm)	9
Main Gun	Machine	Calibre (mm)	14.5
Max rate (round/min)	N/A	Effective Range	500m
Total Rounds	500	HEAT Rounds	No
SABOT Rounds	No	TOW Rounds	No

Chapter 11 - TRAINING SCENARIO

Because of the urgency of your mission in Kuwait, we're putting you through a 40 minute tank assault test to get you prepared. If you follow these instructions, and get through the scenario, then we know we've done our best, whatever happens.

Click on the Practice icon on the filing cabinet, and you will go straight into a briefing screen. Read the three page brief, and look at the map of the training ground. Click on the information icon to gain more details about the layout. Click on the artillery icon, and you will see the artillery set-up. Leave HE and DPICM barrages alone, but you can play with the position of mines to see their effect if you wish. Now click on the upper left icon and get into training!

Click on the zoom icon of Unit 3 and rotate your view (either by using the compass arrows or your right mouse button with the cursor over the view), until you get a tank on the main road in sight. This is a tank from Unit 1. Now rotate the view from Unit 1 and notice how the turrets move in the view from Unit 3.

Now, click on the centre of the compass on the display for Unit 1, and notice that the turret rotates to face the direction of the main body of the tank. Click on zoom and you will see a mosque right ahead of you. There should be a lot of crashing and banging in the background - this is an artillery barrage. Unit 4 is looking straight at a factory. Zoom in on the house just to the right of this and you should start seeing the effects of a combined HE and DPICM attack - the house will eventually get blown up.

Now just play around and get used to changing between the three types of display on each of the four tank units - see how they all work independently. Go to a map view and click in and out on the magnification icons and get

used to scrolling around the map using your right mouse button. Don't start moving your tanks just yet!

At about 09:19 hours a display of vehicles will be presented to you on the brown track just in front of Unit 1. To see this go to the full screen 3D view for Unit 1 (by clicking on the icon at the top left corner of the screen while in quadrant 3D zoom mode). Get used to tracking the vehicles as they pass, and get a good look at them. You'll find that all of the enemy vehicles in training are quite harmless. This means that you won't be shot at. We'll leave that until the real thing.

Once the drive-past has finished (about 09:23) it's time to start moving. Go to the map view for Unit 1. Zoom in until you get to a map range of 0.5, and you will see that each individual tank is displayed on the map. Now scroll the map to the right until you see the point where the road turns north east. Set your cursor on this point, and set your speed to maximum. You will get up to a maximum speed of 39 MPH on the road, but this will be reduced nearby the track as you pass it. Now turn to the 3D view and watch the world go by.

As you pass the bridge you will see a red STOP sign appearing on the middle of the track. Turn off your zoom and try to stop just in front of the sign by clicking on your dead stop icon. Now turn zoom back on and try to locate and identify the four nearby vehicles. Two are American and two belong to the enemy. Go to the map screen and you'll see two enemy flags. Now you can try a useful tip. Click on top of one of the flags, go back to the 3D view, and click on the centre of the compass. You should see a correctly identified enemy vehicle (BMP-2) in view. Click on one of your weapon icons, and see if you can destroy the BMP. Now look around and you should be able to spot a radar station and two food dumps. See how many missiles it takes to destroy the radar station.

Now it's time to get your other units moving. The aim of this training scenario is to get you used to controlling all four units together. The idea is to traverse the circuit - on the roads - anticlockwise. Each time you pass a red stop sign in the middle of the road you should leave one unit behind. We'll leave you to get the other units on the road, and past Unit 1. You'll notice that none of your units achieve their full road speed unless you alter their formation to COLUMN (using the column icon on the full screen map view). This is because some of the vehicles will otherwise be off the road - so make sure that they are all in column formation. Compare the speeds on the road with those going cross country.

When you reach the second stop-off point, leave Unit 2 behind. Unit 2 should be able to identify two small ammo stores, and a communications aerial to the north west. To the west and east there are two units of vehicles which are rather difficult to spot. Turn on your infra-red, and you will see why infra-red imaging is so important for the modern tank. You will have to learn how to identify vehicles by their thermal image - and there's no better time to start than now. To give you a guide, there are M113's to the east and BTR-60s to the west. Try to destroy the BTR's and whatever else takes your fancy. On the map you'll see a building to the north east. Centre your view on this and you'll see a warehouse. If you destroy it two BMP's will come out and move very slowly towards you. See if you can destroy a slowly moving vehicle. It won't be so easy in battle!

Now move Unit 3 up to the next stop off point in the north east corner of the battlefield. You'll see a satellite dish next to some helicopters, two fuel stores, a group of T-62s and a group of M2 Bradleys. See what it takes to destroy the enemy vehicles and installations. You'll find the satellite dish easier to destroy if you aim at its base. If you go to your map view, you will also see two moving enemy flags to the north west. These are spotter vehicles. They are converted BTRs, and move at fairly high speed. See if you can destroy them both. You'll find that it will be easier if you use infra-red AND your laser ranging device. BTRs are very small, even on zoom at that distance (almost 2 kilometres!).

Now, move Unit 4 round to the final position. You will have to go through a forest track, and getting used to what moving through trees feels like. See if you can keep to the track at all times. At the centre of the forest you should try to spot and destroy a T72. At the final stop off point look out for the vehicles and the hospital. Now, spot the statue beside the trees on the other side of the forest track you just came over. Move as close to it as possible. You will see that you are still out of the forest, and yet if you look at your tanks on the highest level of magnification on the map, they should be just inside the area of map forest. You are now in the tree line, and this area around all forests (a concentric ring of about 75 metres) allows you to see all of the action, and yet provides you with protection from being spotted by the enemy. The only proviso is that if you fire at an enemy vehicle, then they will probably see the smoke from your gun barrel, which allows them to spot you for about 10 seconds. Make sure that you use tree lines to good effect when you try to retake Northern Kuwait.

Now, it's time to see if you can use all four units at once in action. When the clock reaches 09:51 each of your four units will have one set of very slowly moving enemy vehicles within range. Try to destroy them while using

the quadrant views. You will find that there has been a smoke barrage set up obscuring the view of Unit 4, so you will have to turn on infra-red, at least for Unit 4. Try turning on your engine smoke as well - it's always good practice to do this when you are near enemy vehicles, because it will help obscure their view of you. It won't affect you now, but when they are armed it will be a different story. If you can destroy most of the moving enemy tanks before 09:56 then you will have 'won' this training 'battle'. It means that you can now progress to the retaking of Kuwait.

If you don't feel confident at this point, try and repeat your training. The action in a real battle will be far quicker. And also the enemy will be properly armed, and that means that you are going to be shot at as well!

Good luck in Kuwait!