

PACIFIC BATTLES: SHANGHAI '37

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OPTIONAL RULES FOR THIS GAME ARE AVAILABLE @
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These rules use the following color system:

Red for critical points such as errata and exceptions, **Blue** for examples of play. Check for E-rules updates to this game @ www.worldatwarmagazine.com.

1.0 INTRODUCTION

Pacific Battles is a wargame series of campaigns in the Pacific Theater of Operations in World War II. The system emphasizes the operational level, and deals with land and air operations. This is a two-player game. One player controls the Japanese, the other the Allies.

Shanghai is the third game in the series. It covers the entire land-air campaign for that strategic Chinese city of Shanghai, August to November 1937.

2.0 GAME COMPONENTS

2.1 Game Equipment

A complete set of *Pacific Battles* should include the following components: one game map, one set of game rules, 228 die cut counters, one set of game charts (printed on the map or in the rules). Players will also need one six-sided die.

Players will need two opaque containers in which randomized markers will be placed.

2.2 Game Map

The game map shows the area in which the original battle or campaign was fought. A hexagonal grid has been superimposed on the mapsheet to regulate movement of units, and to delineate terrain types.

Air Operations Display

This is found on the map. It is used to organize players' air units for various air operations.

Map Errata: In the Sequence of Play, the reference to the Command Marker Phases should be Campaign Marker Phases.

On the Terrain Effects Chart, a Chinese Fortification Marker should be listed as a "(-1) plus OT".

CRTs: combat results are in the back of the rules.

Terrain Types (omission): Coastal is any Sea, Lake or Major River (such as the Yangtze) which contains land.

Terrain Effects Chart (clarification): "Infiltrate" applies only to units capable of infiltration movement (rules 11.8).

Objective hexes: See Victory Conditions.

2.3 The Counters

There are three basic types of counters in the game:

Land Units, which represent military forces.

Air units, which represent the impact of air sorties.

Markers, which are used to record various game functions and other information.

2.31 Ground Units

Certain combat units are backprinted.

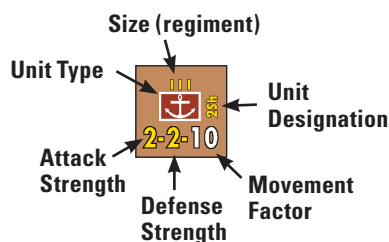
Combat Units: The front side is the unit's combat effective status. The reverse side is its Fog of War side.

Headquarters: The front side is the Activated side. The reverse side is the Non-Activated side. A Headquarters which is Activated can provide Support to units within its radius.

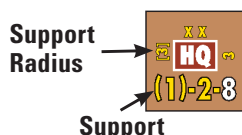
Supply Units: These are used like "change," with each supply unit representing "x" number of supply points.

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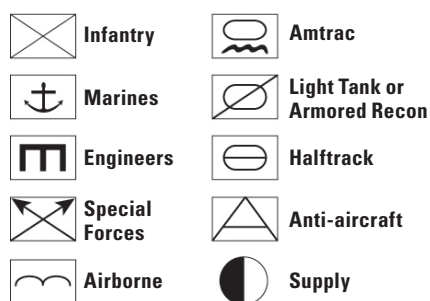
Sample Combat Unit



Sample Headquarters (HQ) Unit

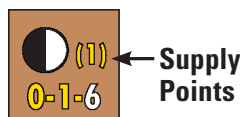


HQ Headquarters



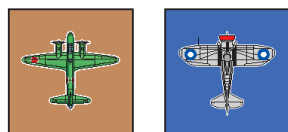
Note: Not all games in the series will use all unit types.

Sample Supply Unit



Land Unit Types (see the unit type chart, separate)

Air Strike Types



Note: Air units represent anything from 12 to 60 aircraft depending on the quality of the air force.

Attack Strength: The basic offensive strength of a unit. This is based on the effectiveness of the unit's firepower, training and leadership.

Defense Strength: The basic strength of a unit when it is defending.

Movement Factor: The basic number of hexes a unit may move in a turn.

Support Factor: The number of combat shifts a HQ may apply to friendly units within radius.

Support Radius: The number of hexes within which a HQ may support friendly units.

Unit Designation: The unit's historical identification, number or name.

Unit size

XXXXX = army group HQ
 XXXX = army HQ
 XXX = corps HQ
 XX = division or division HQ
 X = brigade or brigade HQ
 III = regiment or group
 II = battalion or squadron
 I = company
 * = breakdown unit (see 9.0)

Unit abbreviations

See the Scenario.

Allied Controlled Units (Shanghai)

Blue = Chinese Army
 Blue = Chinese supply
 Blue = Chinese airpower

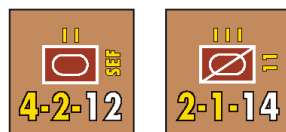
Japanese Controlled Units

Khaki = Japanese

Breakdown units have a different tinted unit box.

2.32 Unit Classes

Units are divided into two classes, *mechanized* and *non-mechanized*. Mechanized units are denoted by having the armor "oval" printed on them. All other units are non-mechanized.



Note: Non-Mechanized units pay different movement point costs to move on the map in accordance with their class.

2.33 Game Markers

Game markers are used for various game functions. Certain markers are backprinted with other types of markers. Players use whichever side they need for the current game function. The number of markers in the game is not a design limit; should players need more, they may improvise them.

Command Level: Indicates the current number of campaign markers the player can pick each turn.

Fortified: Indicates a unit that has dug in.

Suppressed: Indicates a unit that as suffered a suppressed result.

Turn: Used to indicate which turn (week) is in progress.

2.34 Game Charts and Tables

These are used to conduct certain game functions, and to simplify various game procedures.

Air Interdiction Table: This chart is provided for all interdiction missions.

Air Superiority Table: Used to resolve air superiority.

Shanghai Reinforcement

Interdiction Table: This chart is used for all interdiction missions.

Air Missions: Used to organize Allied air units/fleets in play.

Naval Bombardment & Air Strike Table:

Used to resolve air to ground attacks.

Combat Results Tables (CRTs):

Used to resolve Land Combat; there are two CRTs, **Raid** and **Assault**.

Errata: The Terrain Effects Chart on the map should refer to shifts, not die roll modifiers.

Campaign Markers: These are used to generate various random events as well as special actions. They are drawn from a player's pool.

Terrain Effects Chart (TEC):

Used to show the effects of various terrain types on movement.

Turn Record/Reinforcement Chart:

Used to indicate the current game turn and phase. Each player has one such chart because they also place their reinforcements on it.

2.35 Other equipment

You will need a six-sided die, pen and paper.

2.36 Definition of terms

A number of critical rules are contained within these definitions.

Activated Airfield: An airfield which is capable of basing aircraft (this is not used in all games of the series).

Activated HQ: A HQ which is on its front side and can provide support to other units. The reverse side (without a support value) is its un-activated side.

Column Shift: The changing of a column on a Combat Results Table. A rightward shift is in favor the attacker; a leftward shift is in favor of the defender.

Combat Effective: A combat unit that is cohesive, i.e., it is not suppressed.

Combat Unit: All land units other than HQ and supply units.

Command Control Level: The number of campaign markers a player picks each turn.

Control: A player **controls** a hex if one of his units occupies that hex.

Die Roll Modifier: Certain game charts require a die roll modifier. A positive modifier is added to the result rolled on a die (e.g., a die roll modifier of +1 is added to a rolled result of 3 would give a final outcome of 4). A negative die roll modifier is subtracted from the result rolled (e.g., a die roll modifier of -1 is subtracted from a rolled result of 6 would give a final outcome of 5). Note this is distinct from column shifts.

Enemy: Units belonging to the side opposing the player.

Firendly: Units belonging to the player.

Map: The hexagon portion of the playing surface.

Non-phasing Player: The player who is not the Phasing player (see below).

Occupation: A player **occupies** a hex if he has a land unit physically occupying it. Simply being the last to have passed through the hex is not sufficient to qualify for occupation. The presence of enemy zones of control have no effect on occupation.

Phase: A segment of a turn in which each player conducts various operations.

Phasing Player: The player whose segment is occurring.

Refitting: The process by which units eliminated by certain combat results may be returned to the map.

Suppressed: A combat unit that has temporarily lost combat effectiveness.

3.0 HOW TO SET UP THE GAME

The game is played as scenarios. Each scenario shows one major battle or campaign.

3.1 Choosing Sides

Players choose which sides they will play. They then place the units for their side as listed under initial deployment, in the order listed. Other units which are received later in the scenario (reinforcements) are set aside (players may place them on the appropriate space on the Turn Record Track as a reminder). Play starts with the first turn and continues on until the final turn, until one side gets a

Sudden Death Victory, or until one player concedes. Use the Sequence of Play to determine which actions will be taking at any point in the turn. Units may be set up anywhere in the designated areas. They may not be set up in the same hex as enemy units, or enemy controlled bases and cities. Units may set up in enemy Zones of Control.

3.2 Placing Turn Markers

Each player places their respective Turn marker on the first turn of the scenario.

3.3 Old Hands Note

Players perform all phases of the Sequence of Play on turn 1, including campaign marker picks and receiving routine reinforcements.

4.0 SEQUENCE OF PLAY

The game is played in turns called Game Turns. Each game turn is divided into two Player Turns (first and second; these will be determined by the scenario). Each Player Turn is composed of several distinct segments called **Phases**. All actions take place in a prescribed order of phases, called the **Sequence of Play**.

4.1 Sequence of Play PLANNING PHASE

Initiative Determination Phase. The player who has the higher number of Victory Points (see 24.0) becomes the first player for the remainder of this turn; the other player is the second player. In the event of a tie, roll a die to determine who has the Initiative.

Campaign Marker Phase (rule 5.0).

The First Player picks the number of Campaign markers designated by this command control level. The Second player picks the number of Campaign markers designated by his command control level.

Air Mission Allocation Phase (rule 16.0).

Return any air units in mission boxes to the Reserve box.

Each player simultaneously and secretly allocates all air missions for the turn.

Each player reveals all Air Missions.

Air Superiority Phase (rule 16.0)

Execute all Air Superiority firing simultaneously.

Reinforcement Phase (rule 6.0).

The First Player checks for any Reinforcement delay due to Interdiction and then places any reinforcements which will appear this turn.

The Second player checks for any Reinforcement delay due to Interdiction and then places any reinforcements which will appear this turn.

Logistics Phase (rule 7.0).

The First player:

- 1) Removes all suppression markers from his units.
- 2) Breaks down/combines units.
- 3) Expends supply units to **Refit** eliminated units, to **Activate** HQs, and to perform other designated logistical functions.

The Second player:

- 1) Removes all suppression markers from his units.
- 2) Breaks down/combines units.
- 3) Expends supply units to **Refit** eliminated units, to **Activate** HQs, and to perform other designated logistical functions.

FIRST PLAYER INITIAL IMPULSE

Movement Phase (rule 11.0). The First player moves some, none or all his land units.

Air & Naval Strike Phase (rules 16.0, 17.0). The First player executes any Air bombardments and air recon missions.

Land Combat Phase (rule 14.0). The First player conducts Land Combat.

SECOND PLAYER INITIAL IMPULSE

Movement Phase. The Second player moves some, none or all his land units.

Air & Naval Strike Phase. The Second player executes any Air bombardments and air recon missions.

Land Combat Phase. The Second player conducts Land Combat.

FIRST PLAYER FOLLOW-ON IMPULSE

Movement Phase. The First player moves some, none or all of his land units that are within activated HQ radius.

Air & Naval Strike Phase. The First player executes any Air bombardments and air recon missions.

Land Combat Phase. The First player conducts Land Combat.

SECOND PLAYER FOLLOW-ON IMPULSE

Movement Phase. The Second player moves some, none or all his land units that are within activated HQ radius.

Air & Naval Strike Phase. The Second player executes any Air bombardments and air recon missions.

Land Combat Phase. The Second player conducts Land Combat.

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END OF TURN PHASE

Victory Points Phase (rule 24.0).

Players check for Victory Points gained at the end of the turn. If one player has achieved their Sudden Death Victory condition, the game ends.

Game Turn Advance Phase. If this is the last turn of a scenario, the game ends. Otherwise, move the Turn marker forward one space.

***Note:** Players must follow the above sequence of play rigidly!*

5.0 CAMPAIGN MARKERS

At the start of a scenario, each player places all of his Campaign markers in a wide-mouth opaque container. This is the Campaign Pool.

5.1 Picking Campaign Markers

During each Events Phase, the player picks a number of Campaign markers as per his own Command Control level at the start of the phase. Markers are drawn at random from the pool, one at a time. As each marker is picked, check the Campaign Marker Explanation Table and apply the result.

5.2 Command Control Level

This is set by the scenario. Certain markers will raise this during the course of play.

5.3 Campaign Marker Outcomes

These are explained on the chart, but to sum it up, certain markers must be played immediately. Other markers can be held and played later in the game. Certain markers are removed from the game once played, others are returned to the pool or remain in effect for the rest of the scenario.

5.4 Hold 'em If You Got 'em

A player may hold any number of campaign markers.

6.0 REINFORCEMENTS

Reinforcements are additional units received in the course of the game. Reinforcements are placed in the friendly Reinforcement Phase. Campaign markers generate reinforcements during the friendly Reinforcement Phase. Others are set by scenario.

6.1 Receiving Reinforcements

A player receives reinforcements as listed for the Scenario. Reinforcements are listed as Groups. Each Group will have one or more units in it.

6.11 Routine Reinforcements

Certain reinforcements (e.g., air and/or supply units) are listed as "Routine". These

are received each and every turn. Other units are received only once per scenario.

6.12 Scheduled Reinforcements.

These appear on a specific turn.

6.13 Campaign Marker Reinforcements

These appear only if a designated Campaign marker has been picked and played.

6.14 Optional Reinforcements

These are received only under the conditions listed.

6.2 Placing Reinforcements

6.21 Placement Strictures

Units are placed on the hexes indicated by the scenario during the Reinforcement Phase. They may not be placed in an enemy occupied hex or prohibited terrain. They may be placed in hexes containing an enemy ZOC. Players may voluntarily delay the introduction of reinforcements until a later turn.

6.22 Placement Requisite

If all placement hexes are unavailable, then the unit can be placed on the first available Reinforcement Phase. Reinforcements may move and fight normally in the turn they are brought into play. Placing them on the map does not count against their movement for the turn.

6.23 Overstacking During Placement

Reinforcements may be placed overstacked.

6.24 Interdiction

The Interdiction rule 16.6 may cause reinforcements to be involuntarily delayed or eliminated.

6.25 The Lost Battalion

If a reinforcement would enter the game after the last turn, then it is not received.

6.3 Replacements

A unit that has been eliminated in combat may be brought back into play as a replacement: see the Refit rule 7.5.

7.0 LOGISTICS

7.1 Expending Supply Units

Logistics in the game is a function of expending supply units. All supply functions are conducted during the Logistics Phase. Supply is expended to conduct the following game functions:

- 1) Activate an HQ.
- 2) Refit eliminated HQ and Combat units.
- 3) Repair damaged aircraft units.
- 4) Build fortifications.
- 5) Other functions as indicated.

7.2 Supply Radius

Each supply unit can provide supply to any units in its own or adjacent hexes. The presence of terrain and/or enemy ZOC does not affect a supply radius.

7.3 HQ Activation

Expend one Supply unit. One friendly HQ within supply radius is Activated. Flip that HQ to its Active side (or keep it there if it had been activated during the last turn).

Exception: HQs in off-map boxes may be activated automatically (without the need for supply expenditure).

An HQ that has been activated:

- 1) Provides **Support** to units within its Support radius. This is explained below.
- 2) Allows units within its Support Radius to move during the Follow-On movement phase.

***Note:** Enemy ZOCs do not interfere with the HQ activation of units.*

7.4 In-Activation

A player must flip to its inactive side any and all HQs for which he did not expend a supply unit during a Logistics Phase.

7.5 Refitting eliminated units

Refit occurs during the Logistics Phase. Only units in the Replaceable Units/ Damaged Aircraft box may be replaced. Costs are as follows:

Replace an HQ: Expend a number of supply points equal to its Support Value.

Replace combat units: One supply unit will replace up to three battalion equivalents.

Replace air units: One supply unit will replace up the three air units.

7.51 Refit Replacement

Refit ground units are replaced immediately in the hex in which the supply unit was expended. This may also be done in an off-map base.

7.6 Repairing Damaged Aircraft

Each supply point expended causes up to three air units in the damaged box to be shifted to the Ready box. For example, to repair four to six damaged aircraft you would have to expend two supply points.

7.61 Air Unit Repair

Generally, a supply unit expended to repair an air unit must be in an off-map base. See scenarios for special cases.

7.62 Irreparable Air Units

Air units in the permanently eliminated box may not be repaired (or, simply return permanently eliminated air units to the mix of available air units.)

7.7 Fortifications

See the Fortification rule (21.0).

7.8 Supply Units

Supply units are treated as land units, with the following special rules:

- 1) The number on the counter is the number of Supply Points. These can be used as "change," breaking them down or building them up as necessary.
- 2) They are expended to provide logistical functions.
- 3) Supply units do not count for stacking. They have no ZOC.
- 4) Supply units are affected by combat results. Each supply point is equal to one Battalion Equivalent.
- 5) Supply units that receive a Retreat or Rout result are instead eliminated.
- 6) Eliminated supply units are returned to the counter mix and may be used again.

7.9 Logistics Phase

All supply expenditure is during the Logistics Phase. You do not expend supply at any other point in the turn, unless stated. Units do not otherwise need to trace a line of supply as in many other wargames.

8.0 SUPPRESSION

Combat units are in one of two states:

- 1) **Combat Effective:** This is the normal state of a unit.
- 2) **Suppressed:** This is indicated by placing a Suppressed marker on it.

8.1 Combat Effect

Combat effective units function normally.

8.2 Suppression

Suppressed units are affected as follows:

- 1) They lose their ZOCs.
- 2) They have their movement factors halved. Any fractions are retained.
- 3) If any suppressed units are involved in an attack, then shift the combat column one to the left.
- 4) If any suppressed units are involved in a defense, then shift the combat column one to the right.

8.3 Bombardment

Combat effective units can become Suppressed and thus suppressed due to Bombardment results.

8.4 SecondarySuppressions

The effect of more than one Suppressed result on a unit is ignored.

9.0 REORGANIZATION

Players may substitute certain brigade or regiment sized units with battalions, and vice versa, at certain points in the game (in some games, brigades may be replaced with regiments). The smaller sized unit (battalions or in some cases, regiments) are called "subordinate units." Replacing a brigade or regiment with subordinate units is called "breakdown." Replacing subordinate units with brigades or regiments is called "combining." These may occur only in the designated parts of the game turn. The types of units that may reorganize are stated in the scenario.

Subordinate units are indicated with an asterisk or different color unit box.

9.1 Breakdown

Breakdown occurs in the Logistics Phase, and sometimes due to a combat result. To break down a brigade or regiment, remove the unit from the map and replace it with subordinate units of the type designated by the scenario.

9.2 Combine

Combining occurs only in the Logistics Phase. To combine, remove the designated number of subordinate units from the map and replace them with an equivalent regiment or brigade. The subordinate units must all be in the same hex.

9.3 Other

Certain combat results and events may cause regiments or brigades to break down.

9.4 Restrictions

The following restrictions are in effect when breaking down and combining units.

9.41 Nationality Requisite

Units which break down and combine must be of the same nationality. See scenario instructions for details. You do not have to recombine subordinate units into the same brigade or regiment from which they broke down.

9.42 Suppression

Suppressed units may not combine. They may break down, however.

9.43 Initial Deployment

Players may not break down or combine units during initial deployment, unless stated in the scenarios.

9.5 Other

Players should examine the Retreat rule and various combat results for the advantages for units that can break down.

10.0 HEADQUARTERS

10.1 Supply Points

Headquarters have a parenthetic attack factor numeral, representing their **Support Points**. They may not attack by themselves. An Activated HQ instead provides its Support Points value as combat shifts to all friendly units within its **Support Radius**. It also allows units within its Support Radius to move during the Follow On Movement Phase.

***Designer's Note:** HQ Support represents the effects of artillery, combat engineers, and additional logistical support.*

10.2 Follow-On Movement

All units which start within the radius of a friendly HQ may move during the Follow-On (second) Movement Phase. This is checked at the start of the Follow-On Movement Phase.

10.3 Combat

During the friendly Combat Phase, each HQ may provide its Support Value as a combat shift to the right for all attacking units within its Support Radius. During the enemy Combat Phase, each HQ may provide its Support Value as a combat shift to the left for all defending units within its Support Radius. This is checked at the instant that the combat starts (not at the start of the Combat Phase).

10.31 Singular Command

Each unit may only be supported by one HQ. If more than one HQ is within radius, then a player may, on a combat-by-combat basis, choose a single HQ to support it. Within that stricture, a given HQ may support all friendly units within radius.

10.32 Radius Requisite

To provide support, at least one friendly unit in that combat must be within radius.

***Note:** You do not need to use an Activated HQ to engage in combat in a second impulse, but obviously this will assist any combats you do engage in greatly. Indeed, you must engage in combat if your units are adjacent to the enemy.*

10.4 Support Radius

Support radius may be traced into and through an Enemy Zone of Control (EZOC), any types of terrain, and even hexes containing enemy units. Headquarters are never

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affected by the outcomes of attacks they support. They defend normally if attacked. An activated HQ may apply its shifts to its own defense and second movement.

10.5 Limits

HQs support all friendly units regardless of unit identifications (unless otherwise specified by a scenario).

10.6 HQ Presence

HQs have ZOC, and do count for stacking. They are treated as regiments when stacked.

11.0 MOVEMENT

A player may move all, some or none of his units during a friendly Movement Phase. Each unit may be moved as many or few hexes as the player wants, as long as its movement allowance factor is not exceeded. Unused movement points may not be accumulated or transferred from unit to unit.

11.1 Movement Phases

Each player has two movement phases in each turn. In the Initial Movement Phase, all units may move. In the Follow-On movement phase, only units within Support Radius of a friendly activated HQ may move.

11.2 Moving a Unit

Move each unit individually from one hex to another. Once a unit has been moved, and the player's hand is withdrawn, the unit may not be moved again. During a player's movement phase, only friendly units may be moved. No enemy movement may occur during a friendly Impulse.

11.3 Movement Costs

11.31 Movement Points

Each hex entered costs a certain number of movement points (MPs) to enter, depending on whether the unit is a Mechanized or a Non-Mechanized unit.

Old Hands Note: Motorized infantry is not considered "mechanized" in the game.

11.4 Minimum Move

A unit may always move a minimum of ONE hex per turn, provided it is not moving into prohibited terrain, a hex containing an enemy combat unit, or moving directly from one enemy zone of control to another.

11.5 Prohibited Movement

A unit may never enter a hex containing enemy combat units of any kind, or terrain that it is not allowed to be entered according to the Terrain Effects Chart.

11.6 Enemy Zones of Control

Units must STOP when they enter an enemy ZOC. There is no extra movement point cost to **enter** or **exit** enemy zones of control. Units may **not** normally move through enemy zones of control. But, see Retreat, Pursuit and Infiltration rules for exceptions.

11.7 Special Terrain Movement

11.71 Roads, Trails and Railroads

When moving along roads, trails and railroads (from one such hex to another through a connected hexside) units pay only the movement cost listed for the road, trail or railroad. This is regardless of other terrain in the hex.

11.72 Hexsides

Certain terrain runs along hexsides, such as rivers. A unit must pay an additional movement cost to cross these types of hexsides. Bridges negate the extra cost for moving across a river hexside.

11.8 Infiltration

This is explained under Zones of Control, below (see 13.0).

12.0 GROUND UNIT STACKING

Stacking is having more than one friendly unit in the same hex.

12.1 Stacking Limit

The standard stacking limit is two regiments (three battalions per regiment, or a total of up to six battalions), unless specified differently by the scenario.

Note: HQs are considered regiments in terms of stacking.

12.2 Supply Free Stacking

Supply units do not count for stacking.

12.3 Air/Naval Exception

Stacking applies only to land units. Air and naval gunfire units do not count for stacking. Also, markers do not count against stacking.

12.4 Stacking Limit Enforcement

The stacking limit applies only at the END of a particular phase (enemy or friendly), i.e., a player can move, retreat, and advance through a hex in excess of the stacking limit as long as the situation is restored by the end of the phase.

12.5 Overstacking

A player may violate stacking limits (intentionally or unintentionally). At the end of any phase in which an overstacked situation exists in a hex:

- 1) HQs in the hex automatically become inactivated.
- 2) Supply units may not provide supply functions into or out of the hex.
- 3) In an overstacked hex, the overstacked player may employ only units up to the normal stacking limit for combat, attacking or defending. If defending, then all defending units are subject to combat results, even though the overstacked units do not contribute combat strength points.

Note: A bombardment of a hex will affect overstacked units as well, so it is a good idea to not overstack.

12.6 Opposing Units Stacking Prohibition

Friendly and enemy ground units may never be stacked in the same hex.

12.7 Bombardment Exception

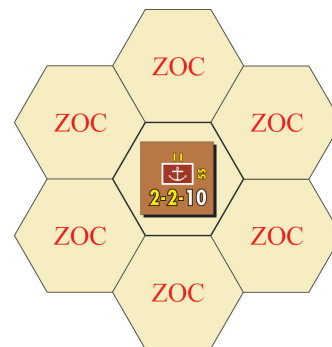
Air units may be placed in enemy hexes to execute missions.

12.8 Initial Deployment

Units must be deployed within stacking limits during initial scenario deployment.

13.0 ZONES OF CONTROL

Land units have Zones of Control (ZOCs). ZOCs represent the area a unit can influence through its firepower and patrols. All combat effective ground combat units have ZOCs. However, HQs, supply units, suppressed units and markers have no ZOCs.



13.1 ZOC Extension

A ZOC extends into all hexes and across all hexsides, unless otherwise stated in the Terrain Effects chart of a scenario rules.

13.2 Blocking ZOCs

The presence of a unit (friendly or enemy) has no effect on ZOCs.

13.3 Movement Effects

Units must STOP when they enter any enemy ZOC.

13.4 Disengagement

Units may leave an enemy ZOC. However, the first hex they enter must not contain an enemy ZOC. They can enter an enemy ZOC later in the movement phase.

13.5 Infiltration

Moving directly from one enemy ZOC to another ZOC is called **Infiltration**. Infiltrating units must start a movement phase in an enemy ZOC. They then move a maximum of one hex into another enemy ZOC, and this ends their movement. Only the following units may conduct infiltration:

- All Japanese infantry.
- Allied commando and raider units.
- Other units as specified by a scenario.

13.6 Combat Effects

During a combat phase, all friendly units in an enemy ZOC **must** attack.

Exception: Supply units do not attack.

13.7 Pursuit

Units may Pursue *through* enemy ZOCs at no penalty. See 15.4.

13.8 Retreat

Units which retreat into an enemy ZOC are usually eliminated. See also rule 15.3.

13.9 Support Effects

ZOCs do not block Support Radius, or the ability of supply units to provide their logistics functions for units in adjacent hexes.

14.0 LAND COMBAT

Land Combat occurs between adjacent opposing land units during the Combat Phase. The phasing player is the **attacker**, the non-phasing player is the **defender**, regardless of overall strategic posture. Land Combat is resolved using the **Combat Results Tables (CRTs)**. There are two CRTs: **Raid** and **Assault**.

14.1 Attacking & Defending

14.11 Mandatory ZOC Combat

All combat units must attack all enemy units within whose ZOC they occupy. All non-phasing units in an attacking unit's Zone of Control must be attacked. This is so for both Combat Phases.

Remember! Supply units and suppressed units have no ZOC; units do not have to attack them, but may.

Old Hands Note! Units must attack in the Second Combat Phase whether within the radius of an activated HQ or not. This means that given the double impulse turn structure, units can often be placed in positions where they will have to attack at unfavorable odds. This was the case historically.

14.12 Zero Attack-Factor Units

If zero attack factor units are adjacent to enemy units, then they must attack. If attacking by themselves, then they automatically use the lowest column on the CRT (24%-). HQs adjacent to enemy units attack with a zero strength, but they receive any shift for support values if activated.

Example: A HQ with a support value of "1" is in the ZOC of an enemy unit. It attacks on the 25-49% column since this is the lowest column shifted one to the right.

14.13 Attacker's Prerogative

The Phasing Player determines which attacking units will attack which defending units, in any combination he desires, as long as **all** friendly units in an enemy ZOC participate in an attack, and **all** enemy units which exert a ZOC are, themselves, attacked.

14.14 One Battle per Unit per Combat Phase

No unit may attack more than once per Friendly Combat Phase, and no enemy unit may be attacked more than once per Friendly Combat Phase.

14.2 Declaring All Battles First

The Phasing Player must declare which friendly units will be attacking which adjacent defending units at the beginning of each Combat Phase (to ensure that all adjacent units are attacked) before conducting any individual battles.

14.21 Multiple Unit and Multi-Hex Battles

If a phasing unit is in the ZOC of more than one enemy unit, it must attack *all* of those enemy units that are not assigned to battle with some other attacking unit. *For example, a lone unit adjacent to enemy units in two or more hexes would have to attack all those hexes as one combined attack.*

14.22 Combining Units in a Battle

Attacking units in two or more hexes may combine their Combat Strengths and conduct a single battle together provided that all of the attacking units are adjacent to all of the defending units. Battles may involve any number of attacking or defending units.

14.23 Adjacency

For an attack to be resolved as a single battle, **all** of the attacking units must be adjacent to **all** of the defending units.

14.24 Diversionary Attacks

When organizing a series of battles, a player may allocate his attacking units in such a way that some attacks are sacrificially made at poor differentials so that other adjacent attacks may be made at more advantageous differentials.

Old Hands Note! Diversionary attacks are what used to be called "Soak-Off Attacks."

14.25 Combat Strength Unity

A given unit's combat strength is always unitary; it may not be divided among different battles during a single phase, either for attack or defense.

14.26 Defending

All units defending in a single hex must defend together, and their combat strengths must be added together to form a single combined total. The defender may not withhold units from the defense.

14.27 Attack Limitation

A defending hex may be attacked only once in a single combat phase.

14.28 Attack Resolution

Attacks are resolved one at a time.

14.3 For each Ground Combat

- 1) The attacker states which attacking units will be attacking which defending units.
- 2) The attacker chooses which CRT the combat will use (**Raid** or **Assault**), except per 14.41.
- 3) Determine the combat percentile:
 - a) Total the combat strengths of all attacking units.
 - b) Total the combat strengths of all defending units.
 - c) Divide the attacker's total combat strength by the defender's total combat strength and multiply by 100%.
- 4) Determine the final Column shift:
 - a) Determine the support status of all attacking units (i.e., the number of shifts to the right for friendly HQ support).
 - b) Determine the support status of all defending units (i.e., the number of shifts to the left for enemy HQ support).
 - c) If any attacking units are Suppressed shift one column to the left.
 - d) If any attacking units are Suppressed shift one column to the left.

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- e) Determine the number of defensive shifts for terrain (see the TEC).
- f) Subtract the defender's shift from the attacker's to get the *final* shift.
- 5) Find the matching percentile column on the selected Combat Results Table (CRT).
- 6) Roll one die, and cross-index the result.
- 7) Immediately apply the combat result.
- 8) Execute any retreats.
- 9) Execute any advances after combat.
- 10) Go on to the next combat, if any.

14.31 Columns Shifts

Column shifts for the attacker always adjust to the right; for defender always adjust to the left. Use the net difference of multiple right and left shifts. The maximum columns on the CRT is the base line for any shifts above or below the maximum or minimum odds.

14.32 HQ Support

If more than one HQ can provide a column shift, use one, but use the single best one. Each HQ may support any number of combats within its own radius.

14.33 Terrain

This applies to the defender only. If more than one terrain modifier applies, use the single best one. See the Terrain Effects Chart.

14.4 Choice of Combat Results Tables

There are two combat results tables in the game: the **Raid CRT** and the **Assault CRT**.

14.41 Who Determines Which CRT Will Be Used

Generally, the attacker determines which CRT will be used. However, certain Campaign markers will give the defender the choice; see the scenario Campaign marker explanations.

In a situation where the defender chooses the CRT, the defender still remains the defender; he does not switch roles with the attacker.

Example: A Japanese force (with 9 combat factors) is attacking an Allied force (with 3 combat factors). The Allied plays an *Intelligence* marker and can choose the CRT. He decides that the combat will be resolved on the Assault CRT. The Japanese player executes the attack on the Assault CRT.

14.42 Combat Results

Combat Results are the outcomes of combat. They are explained in the game charts section of the rules (see page R21).

14.43 Advance & Retreat after Combat

These are a form of specialized movement

that occur as the result of certain Combat results. They are explained below (see 15.3).

14.44 Attacking into prohibited terrain

Units may attack into terrain types they could not normally enter. Units can attack across international borders (if in a scenario), though they may be restricted from advancing/retreating across them. Also, even though a unit may not necessarily be able to exert a ZOC into a certain terrain type, it could still attack into it.

15.0 IMPLEMENTATION OF COMBAT RESULTS

15.1 Order of Results

Combat results are implemented in the order listed for that result.

15.11 Combat Results Limitation

Only land units that participated in a given combat are affected by its results.

15.12 Non-adjacent HQs

If an HQ provided support, it is not affected by the combat unless it was also defending in a hex that was actually attacked, or if it conducted an attack against an adjacent enemy unit.

15.2 Elimination

Eliminated units are removed from the map. If there is a choice of units to be eliminated, the player owning the units may choose which ones will be removed.

15.21 Surrounded Eliminations

If a unit is entirely surrounded by enemy units, ZOC, or prohibited terrain at the instant of combat, they are placed in the Permanently Eliminated box, and may never be replaced. Otherwise, they are placed in the Replacement Units box (and may be replaced).

Certain special results may also cause the permanent elimination of units.

15.22 Breakdowns

Units may be broken down during combat to extract losses. For example, an attrition type of result will allow a player to breakdown a regiment into three battalions. One of those battalions would then be eliminated to fulfill the combat result.

15.23 Percentage Losses

Certain combat results will cause a force to lose 50% of its combat factors (such as: **BB**). That percentage is determined by counting up the total attack factors if attacking, or defense factors if defending. If any zero attack

strength units are attacking, then they are eliminated in addition to other friendly units.

15.24 Breaking Down to Fulfill Casualties

A unit may be broken down to extract 50% losses. Use the total attack or defense strength of the breakdown units to determine the losses.

15.3 Retreat

When a combat result requires a player's units to be retreated, the player designated by the result must immediately move those units the indicated number of hexes away from their own combat position.

Exception: Units occupying city hexes may ignore normal retreat results; routes are converted into normal retreats for units occupying a city hex, however.

If the combat result doesn't specifically designate one player to conduct a retreat, the owning player conducts it. Retreat is not normal movement; it's counted in terms of hexes, not movement points, and units may always retreat the number of hexes indicated regardless of their printed movement allowances.

15.31 Length

A retreat will be specified as one or two hexes, or a rout.

15.32 Routes

The affected player rolls one die for each unit, and then retreats it that number of hexes.

15.33 Retreat Restrictions

Retreat results are subject to the following restrictions. If a unit is unable to retreat within these restrictions it's eliminated instead.

- 1) Each unit is retreated separately.
- 2) Units may never retreat into hexes containing enemy units.
- 3) Normally, units that retreat into any enemy ZOC are eliminated. But, units that can break down into battalions or regiments may do so and then one (only one) of those battalions or regiments is eliminated.
- 4) Units may not retreat off of the map or into terrain or across hexsides that can't normally be entered.
- 5) Units may retreat into and through hexes containing friendly units, but that doesn't negate a unit's retreat obligation. Remember, though, any retreating units must be within stacking restrictions at the end of the Combat Phase; see 12.0.
- 6) A retreating unit must terminate its retreat the indicated number of hexagons away from its former position. If it can't, and can

retreat only a portion of the number of the hexagons called for, it's eliminated in the last hex into which it was able to retreat.

- 7) In no case may a unit be retreated into a hex that would cause it to be eliminated or over-stacked if other retreat paths are available.
- 8) Zero movement factor units are eliminated if forced to retreat (unless otherwise indicated).
- 9) Supply units are eliminated if forced to retreat.

15.34 Cities

Units defending in a city hex may (at the player's option) ignore retreat results. Any unit that retreats into a city hex must retreat normally.

15.35 Defending After Retreating

Units that retreat into a hex that's attacked later that same phase defend normally and contribute their defense strength normally. If, however, the retreated units cause their new hex to be over-stacked they contribute nothing to the defense of that hex, though they would be subject to any combat results inflicted therein. See 15.33 "3)".

This is an exception to rule 14.14.

15.4 Pursuit

15.41 Pursuit Defined

"Pursuit" is a special form of movement that may occur after combat. Pursuit is what's termed in other wargames as an "advance after combat."

15.42 Pursuit Movement Procedure

If a combat result calls for a player to conduct pursuit, he may immediately move the number of hexes indicated with one, some, or all of his eligible units (involved in that attack). Generally, pursuit is only one hex. Scenarios will specify exceptions.

A combat result must specify "pursuit" for pursuit to occur. *For example, if a Defender Attrition result causes all units to become eliminated from a hex, surviving attackers could not enter there since no pursuit was specified by the result.*

15.43 Zero Attack-Factor Pursuit Prohibition

Units with a "0" movement factor may never pursue.

15.44 No MP Cost

Pursuit movement doesn't ever expend any movement points. It may be made only into

hexes the pursuing units could normally enter. Pursuing units may ignore enemy ZOC, but they may not enter hexes containing enemy units or prohibited terrain. If a total pursuit is longer than one hex, some units may stop in the first hex, others in the second hex.

15.45 No Pursuit

If the enemy hex is not cleared of enemy units, then no pursuit may be conducted there.

15.5 Banzai!

The Japanese Campaign marker *Banzai* changes certain combat results. This marker must be played prior to the dice being rolled. See the Campaign Marker Explanation table.

16.0 AIR OPERATIONS

Each player has air units that perform missions.

16.1 Air Units

Air units represent one or more air unit "points," depending on the number of symbols printed on the counter. They may be used like "change," with the player breaking them down or combining them at any time in the game, included during combat.

Example: A player could exchange one "3" air unit for three "1" air units.

16.2 Sorties

Each air point may perform one mission per complete game turn. They may perform missions in either friendly Bombardment Phase, but if a particular air point conducts a mission in the first phase it could not do so in the second.

16.21 Air Command

Air units are always in command.

16.3 Air Missions

Air units are not based on the map (even if there are airfields on a scenario's maps). They are placed on the Air Mission chart. They may be placed on the map to execute missions, but then are returned to the Air Mission chart (or to the dead-pile).

16.31 Mission Chart

During each Air Mission Phase, the player places his air units in one of the missions listed on the Air Missions Chart:

Reserve
Air Superiority
Interdiction
Recon
Strike
Air Supply (if in a scenario).

Then, during the indicated phases, move them accordingly. Additionally, air units may be placed in the Damaged box as the result of combat, or be eliminated from play.

Note: That air unit reinforcements are received after the Air Mission Allocation Phase, so air units received during a turn may not be used until the following turn.

16.32 Air Unit Outcomes

Each air unit is utilized at different points in the game turn, depending upon the missions. When the mission is completed, place the air units performing it in one of the following:

- 1) **Eliminated:** remove it from play.
- 2) **Damaged:** if it received a Damage result.
- 3) **Reserve:** if it otherwise survived.

Therefore, at the end of the player turn, all friendly air units will be in one of the three above statuses; the exception will be air units assigned to missions which did not fly. They are returned to the Reserve box during step (1) of the Air Mission Allocation Phase (see the Sequence of play).

16.33 Repeated Sorties

Air units may be reused from turn to turn. They are not expended simply by being used.

16.34 Air Units and Combat

Air units are not affected by ground units; they are affected by enemy Air Superiority missions, and by AA results on the Bombardment and Air Superiority Tables.

16.35 Air Logistics

Air units are placed on the map only when executing missions. They are not placed on airfields. Air units do not stop or block ground unit movement, retreat or advance, nor do they have zones of control. Air units (usually) require no supply. However, activating an on-map airfield may require the expenditure of supply that is then used to increase the number of air units available.

Designer's Note: The air units represent the impact of sorties, not specific air squadrons, groups, etc., per se.

16.4 Reserve

Air units in the Reserve box do not fly missions. They are not affected by enemy Air Superiority or AA fire.

16.5 Air Superiority

Air superiority is resolved in the Air Superiority Phase.

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16.51 Air Superiority Procedure

Units assigned to air superiority “fire” at enemy air units. All such fire is simultaneous. Each player does the following:

- 1) Totals their Air Superiority strength points.
- 2) Cross indexes this with the column on the Air Superiority Table.
- 3) Rolls one die.
- 4) Applies the outcome. All losses are extracted simultaneously.
- 5) Return all Air Superiority missions to the Recovery box.

16.52 Selection of Targets

- 1) If a player has committed a number of air points to air superiority equal to or less than the total number of enemy air superiority air points, then the player must use all of his air superiority points to attack enemy air superiority air points. Only enemy air units flying Air Superiority missions are affected by combat results.
- 2) If a player has committed more air points to air superiority than the enemy, then the player may (but does not have to) commit any excess to attacking any and all other enemy missions. In this case, the air points committed to attacking non-Air Superiority missions are fired as one combined combat, and the player can select from which enemy missions losses will be extracted.

Example: The Japanese player commits six air points to Air Superiority; the Allied player commits four. The Allied player would have to use all four of his air points to attack the Japanese Air Superiority points. The Japanese player could commit all six of his air points to attacking the Allied Air Superiority air units; or he could commit four or five to attacking Allied Air Superiority, and using (respectively) two or one air points to attack other missions. Let's say the Japanese player committed two; he rolls a “5,” causing one elimination and one damage. He chooses to eliminate one Allied air point committed to (say) Interdiction and another to Strike.

- 3) In both cases above, any excess eliminations /damages may not be applied against enemy air points flying missions which were not targeted.

Example: Continuing with the above example, supposing the Japanese player committed six air points to Air Superiority and rolled a “6;” this would cause three Allied eliminations and three damages. This would eliminate three Allied air units committed to Air Superiority, and damage one more, thereby wiping out the Allied Air Superiority mission force of four air

units. The additional two damages could not be applied against other Allied missions.

16.6 Interdiction

Certain scenarios will allow an Interdiction Mission. Interdiction is flown by air units against enemy land units and supply appearing as reinforcements (and usually when this involves a reinforcement across all-sea hexes). Interdiction may cause enemy reinforcements to be subject to delay or destruction.

Note: When conducting an interdiction mission, use the Shanghai Reinforcement Interdiction Table (see page R22).

16.61 Restrictions

Interdiction may **not** be performed against any units that are making an amphibious move on the map (i.e., from an off-map box to coastal hex). Interdiction may not be performed against reinforcements being placed in an off-map base.

Interdiction Procedure

- 1) Declare the number of air units or naval gunfire points committed to Interdiction (from one to six), as listed on the Shanghai Reinforcement Interdiction Table
- 2) Roll one die for each reinforcement unit to be attacked.
- 3) Cross index the result with the Shanghai Reinforcement Interdiction Table. Immediately apply that result.

16.62 Targeting

Each and every unit and supply point moving onto the map as a reinforcement would be attacked by **all** interdicting air units or naval gunfire points, and each targeted unit would be interdicted by a separate die roll. For example, a player could commit two air units to Interdiction. The enemy places two reinforcement regiments and four supply points. Roll once for each of the two enemy regiments and four supply points.

16.63 Results

1) Enters Later Turn

Place the delayed units on the Turn Record Track that number of turns later. They are then automatically received on that turn. (They cannot be interdicted again during that turn.)

2) Elimination

If the unit can break down, it loses one battalion, and the rest of the battalions are delayed two turns. Otherwise, the unit is eliminated and placed in the Replacement box. Supply and Deception units are placed back in the counter mix.

16.64 Interdiction Effects

Interdiction affects land combat units, HQ units, deception markers, and supply units. Interdiction does not affect the appearance of enemy air or naval reinforcements, nor does it affect enemy units already on the map. Attacks against supply units are made against individual points.

16.7 Air Recon

Recon takes place during the friendly Movement Phase. Place air unit(s) in any hex(es) on the map and declare them as Air Recon. This may be done at any point in either movement phase.

16.71 Air Recon Procedure

Air Recon units do not attack anything, nor do they suffer AA fire. For each Air Recon unit, you may examine all enemy units in its hex and adjacent hexes. Additionally, any clear, dunes, cultivated, mud flat, marsh or coral terrain hexes within two hexes may also be examined.

You may use a maximum of one air unit per air recon per hex (and there is obviously no point in using more, since one is always sufficient).

16.8 Strike (Air Bombardment)

Strike (air bombardment) missions take place during the friendly Bombardment Phase. Place air unit(s) in any hex(es) on the map containing enemy ground units. A player must place all air units before conducting strikes. He then resolves them one at a time.

16.81 Procedure

For a hex to be bombarded, the following procedure is implemented:

- 1) Total the number of air points.
- 2) If the TEC calls for a defensive bonus, shift the column to the left the number indicated. The column may never go below zero, however.
- 3) Roll one die on the Bombardment Table.
- 4) Apply the results.
- 5) Return all surviving Strike missions to the Recovery box.

Note: There is only one bombardment die roll per attacked hex. It may affect one or more neemy units. See the results on the table.

16.82 Air Concentration

A player may utilize a number of air units against a single hex, per the scenario's rules.

16.83 Hex Targets

Strike missions are flown against hexes, not individual units. If there is more than one defending unit in a hex, then they

may all be affected by the outcome. See the results on the Bombardment Table.

Example: If the Allied player is using three air units to attack a hex containing a Japanese combat unit and two supply units. He rolls once on the “3” column and gets an “S” result. This causes the combat unit to be suppressed and one supply unit eliminated.

16.84 Antiaircraft

Any results due to antiaircraft fire results (AA) are only applied *after* the bombardment is resolved, and then only a maximum of one air unit per attack is ever affected.

16.85 Bombardment Revelation Restriction

A player does not reveal any units in a hex being attacked by bombardment. They are to be attacked anyway, with results being applied only when they occur.

16.9 Air Supply

This is a special mission if the flying player has air supply units in the scenario. Air Supply markers act as air units, but the only mission they can perform is Air Supply. They may be lost due to Air Superiority fire.

16.91 Procedure

Air Supply takes place during the Logistics Phase; place the Air Supply unit on the hex to which the mission is being flown. Then remove it and place one supply unit in the hex for each point of Air Supply. Place the Air Supply unit itself in the Ready box. A player does not have to remove any air supply points from the map to do this (air supply is in addition to normal supply). You may reuse an Air Supply marker any number of times.

16.10 Air Losses

Damage: Air units that receive a Damage result (owing to air superiority or AA fire, or a specific Campaign marker event) are placed in this box. They may not fly missions, nor are they affected by enemy air superiority fire.

Elimination: An air unit that is permanently eliminated may not be repaired.

16.11 Repair

A player may repair damaged air units by expending supply units during Step (3) of the Logistics Phase (see the Sequence of Play). One supply point can repair three air units (or a fraction thereof) in the Damaged box. Place repaired air units in the Ready box. See the scenario for specifics.

17.0 NAVAL BOMBARDMENT

Naval strike units represent gunnery support from offshore warships. Each naval strike is treated exactly like an Air Strike for bombardment. They have an unlimited range. Each Naval Bombardment unit (unlike Air Strikes) is a single combat factor—it may not be broken down).

17.1 Naval Bombardment Units

Naval Bombardment units are placed in the Campaign Marker Pool. They may be used on the turn when picked. Some will be reusable (returned to the pool) while others are removed once they're played. See the marker explanations. Naval Bombardment may only ever be used for Bombardment missions. They are not affected by enemy antiaircraft or Air Superiority missions.

17.2 Restrictions

Naval Bombardment markers must be used in the turn they are picked. A maximum of one single Naval Bombardment mission may be fired against a particular hex per game turn. Naval Bombardment may be combined with Air Strikes.

17.3 Interdiction

Naval Bombardment missions may also be used for Interdiction if a scenario so starts. Each point of bombardment counts as one point for Interdiction.

18.0 FOG O' WAR

Players are limited as to when they can examine enemy units. Generally, you can examine enemy stacks only under certain conditions.

18.1 Examining Units

A player may examine enemy units at the start of the friendly Combat Phase if he has friendly units adjacent to any such units.

Old Hand's Note: *Often, it is useful to make raid attacks to determine the contents of an enemy stack without having to risk too much. Do this in the Initial Combat Phase and then determine what strength you will need to attack the hex in the Follow-On movement phase; assuming the enemy does not move.*

18.2 Air Recon

A player may examine enemy ground units via Air Recon (see 16.7). Also, when conducting bombardment against a hex, the player determines outcomes against enemy units normally, but they are not revealed.

18.3 Air Ops

A player must show the number of air units being used to execute a mission as it is being executed.

18.4 ZOC Announcement

A player must always inform the enemy whether or not units in a stack have ZOCs at the instant a friendly unit moves adjacent (though not necessarily the identity of the units in the stack).

18.5 Terrain Examination

A player may always examine the terrain in a hex under a stack of units. Also, the player must inform the enemy of the presence of any fortifications.

18.6 Reinforcements

A player may never examine enemy units presently on their turn record/reinforcement track.

18.7 Campaign Markers

Certain campaign markers will allow the player to examine enemy stacks or units on the reinforcement track.

18.8 Optional Fog O' War Rules

See the optional Fog O' War rule for more complications.

19.0 HEADQUARTERS (HQs)

Headquarters function as other land units, with the special cases summarized here.

19.1 Follow-On Movement

An activated HQ will allow all friendly units within support radius to use Follow-On movement.

19.2 Support Points

An activated HQ may use its support points value to provide combat shifts to friendly units within its Support Radius.

19.3 Suppression

Anything that causes an HQ to become suppressed causes it to instead become un-Activated. If already un-activated, then there is no further effect.

Designer's Note: *HQs represent the command control for artillery, combat engineers, and logistics units that are spread out through an area of operations. Consequently, they represent a center of mass for support operations rather than a specific individual unit.*

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20.0 ENGINEER UNITS

Engineer units in the game represent major concentrations of engineering personnel and construction equipment. Combat effective engineer units provide the following functions in the game.

- 1) Airbase Operation.** Certain scenarios will have printed airbases on the map. A player must have an Engineer unit in that airbase to “operate” it. This will result in the player receiving additional air units.
- 2) Bridging.** If an engineer unit starts its movement adjacent to a stream and/or a river hexsides, then the movement cost for all other friendly units to cross that stream/river is zero; other terrain costs would still be paid normally, however.
- 3) Building Fortifications.** An engineer unit may build fortifications in a friendly Logistics Phase. It must be combat effective and in the same hex as or adjacent to a supply unit. Expend the supply unit and place fortification markers in the engineer’s hex, and in any adjacent hexes occupied by friendly units. If more than one engineer unit is adjacent to the same supply unit, they may all build fortifications. See 21.0.
- 4) Mobility Enhancement.** An engineer unit which starts its movement phase in the same hex as a supply unit may “pick up” one supply point and transport it, using the movement factor of the engineer. At the end of that move, the supply unit must be dropped off.
- 5) Other:** As specified by the scenario.

21.0 FORTIFICATIONS

Fortification markers enhance defense in the following ways.

21.1 Defensive Shift

If any defending unit is in a fortification, that entire combat receives one additional column shift for defense. This is in addition to any normal terrain shifts.

***Note:** Japanese gain a two-column shift while the Allies gain a one-column shift.*

21.2 Ignoring Retreats/Routs

Any unit defending in or attacking out of a fortification may ignore one-hex retreat results, and convert rout results into one-hex retreats.

21.3 Fortification Permanence

Once placed on the map, a fortification marker remains in play as long as there is at least one friendly unit in it. The instant that all friendly units have vacated the fortification’s hex (via

movement or via combat or whatever), the fortification is removed from play. Players may not capture and use enemy fortifications.

22.0 AMPHIBIOUS MOVEMENT

This rule applies to the other games in the Pacific Battles series. It is not used in *Shanghai*.

23.0 EVACUATION

Certain scenarios will allow for evacuation. This removes units from the map. Evacuation takes place during the friendly Reinforcement phase. Units to be evacuated must be on a coastal hex. Simply pick them up and remove them from the map. Once evacuated, a unit may never be returned to play.

23.1 Eligible Units

Scenarios will specify which units may be evacuated. In some cases, players may receive Victory Points for evacuating units.

24.0 VICTORY CONDITIONS

Players win the game by accumulating Victory Points (VP). Throughout the course of the game, players score VP. These are recorded using pen and paper.

24.1 Scoring VP

Immediate: Certain events will cause VP to be scored immediately. For example, eliminating enemy units.

End of Turn: Certain events will cause VP to be scored during the Victory Phase. For example, holding a particular objective hex.

Campaign Victory: Each scenario will list the specific Victory Points and the Victory Conditions for the game.

24.2 Campaign Victory Conditions

At the end of the scenario, check the number of VP gained by both players. Subtract the lower amount from the higher; this will give the level of victory.

Draw: 0-15

Marginal Victory: 16-30

Major Victory: 31-45

Decisive Victory: 45 or higher

24.3 Sudden Death Victory

If during any victory determination phase (at the end of the turn), one side attains their Sudden Victory Condition, the game comes to an end and they win. See the scenario.

24.4 Eliminating Units

VP may be scored for eliminating units. This includes units that are replaceable or not.

***Note:** If any regiment is eliminated, it is equivalent to three battalions in terms of VP awarded.*

24.5 Evacuating Units

VP may be scored for evacuating units.

24.6 Objective Hexes

Certain, specific hexes are indicated as being Objective Hexes. Players gain additional VP for occupying them, depending on the scenario.

25.0 SHANGHAI 1937 CAMPAIGN SCENARIO

25.1 Game Length

August I to November II 1937.

25.2 Initiative

Japan controls the initiative on turn 1.

25.3 Victory

Starting Victory Points

Japanese = zero.

Chinese = zero.

Japanese Sudden Death Victory:

If during any Victory Check phase the Japanese occupy all objective hexes.

Chinese Sudden Death Victory: If during any Victory Check phase starting with September I the Chinese occupy all objective hexes.

25.4 Chinese Set-up (set up first)

Land Units:

In Shanghai (not in the Japanese settlement): 3 x 2-3-6 brigades.

In Chinese off-map base: 3 x 4-6-8 divisions, 1 x 3-5-6 division, 2 x 1-3-4 divisions, 1 x 1-2-4 brigade; 1 x tank battalion; 3 x supply points.

Air units:

Reserve: 3 x air units.

Starting Command Level: “start scenario.”

Campaign Markers: Place all in the Pool.

Campaign Marker picks: See the Chinese Campaign Marker table (on map).

25.5 Japanese Set-up (set up second)

Land Units:

In Shanghai Japanese settlement hex: Shanghai HQ; 1 Sh, 2 Sh SNLF; R infantry; 1 x supply point; 1 x fortification (ignore stacking limits during set-up).

Japanese off-map base: Sentai SNLF.

Air units:

Reserve: 4 x air units.

Starting Command Level: “start scenario.”

Campaign Markers: Start with Shanghai naval gunfire (“3”); place the rest in the Pool.

Campaign Marker picks: See the Japanese Campaign Marker table (on map).

25.6 Chinese Reinforcements

Air units: place in the Reserve box.

Land units: Place in the Nanking off map base or on a friendly west map edge.

See the Chinese Reinforcement Chart for units and turns of arrival. Certain Reinforcement groups are received via the pick of a Reinforcement Group campaign marker. Units are received on the turn indicated, subject to delays and destruction caused by the Interdiction table.

Evacuation: the Chinese player may not evacuate units.

Optional Chinese reinforcements. None.

25.7 Japanese Reinforcements

Air units: place in the Reserve box.

Land units: Place in the Japanese Formosa Base off-map box, and enter the map directly from the off-map box, appearing on a clear coastal hex that is not already occupied by any Chinese unit, or within any Chinese unit's ZOC, nor into a hex that would become overstacked by their arrival.

See the Japanese Reinforcement Chart for units and turns of arrival. Certain Reinforcement groups are received via the pick of a Reinforcement Group campaign marker. Units are received on the turn indicated.

Japanese Naval Gunfire Campaign markers: Once picked, these markers may be used every turn. They are not returned to the pool.

Evacuation: the Japanese may not evacuate units.

Optional Japanese reinforcements. None.

26.0 SCENARIO SPECIAL RULES

26.1 Airfields

There are no airfields on the map. All air units are based off map.

26.2 Home Bases (off map)

The Japanese and Chinese home bases are represented by off map boxes (Taiwan and Nanking). Reinforcement units may be placed in the off-map base instead of on the map.

Reinforcement units may be placed in their respective home off-map base boxes instead of on the map (and later moved onto the map from these boxes during each side's own movement phase).

Japanese: The Japanese player may move units in the Taiwan Base (off map) onto the map during friendly movement phases. Place them on any coastal hexes of the Yellow Sea or major river which runs into it. They may not otherwise move in that phase.

Chinese: The Chinese player may move units in the Nanking Base (off map) onto the map during friendly movement phases via the west map edge. The units move onto the map using normal movement. They are assumed to be one hex off the map; they may use road movement if the hex they enter contains a road.

26.3 Friendly map edges.

The Japanese have no friendly map edge. All units enter via amphibious landing. The Chinese friendly map edges are the north, west and south map edges.

26.4 Out of Range

A player's units may neither attack nor enter the enemy Base.

26.5 Logistics

One supply unit in an off map base may activate all HQs in it.

26.6 Repairing Damaged Aircraft Home Bases

A player can expend supply units in the friendly off-map base to repair friendly aircraft in the Damaged box per 7.6.

26.7 Air Strike limit per hex (rule 16.6)

Japanese: four

Chinese: two

26.8 Breakdown units

Japanese

7-7-12 = 2 x 3-3-12

5-5-10 = 2 x 2-2-10

4-4-10 = 2 x 1-2-10

Japanese brigades can break down into regiments; there are no battalion breakdowns.

Other units may not break down.

Chinese

Chinese units may not break down.

26.9 Port Operations

No port hexes exist in the game.

26.10 Stacking

The **Japanese** may stack four regimental equivalents per hex. Each regiment and HQ is worth one regimental equivalent; each brigade is worth two regimental equivalents. Battalions and supply stack free.

The **Chinese** may stack two regiments, brigades, divisions or HQ per hex, any combination. The Chinese tank battalion and supply may stack free.

26.11 International Settlements

No units may enter the International Settlement hex. Support radius may be traced through it. All units may enter the Japanese Settlement

26.12 Japanese Amphibious Unit

This unit moves via contiguous coastal, sea, and major river hexes. It must end its movement in a coastal hex. It has unlimited movement, but it may not transport other units.

26.13 Railroads

Chinese units pay $\frac{1}{4}$ movement point to move through railroad hexes. The Japanese pay $\frac{1}{2}$ movement point.

26.14 Interdiction

The Japanese may conduct Interdiction attacks. The Chinese can not. Also, the Japanese can use only airstrikes to interdict, not naval gunfire.

26.15 Game Scale:

Each hex is about five kilometers across. Each turn is one half month of operations.

ABBREVIATIONS

Japanese

A: Army

CCF: Central China Front

Com: Combined SNLF

Kunizaki: Kunizaki Detachment (from 5th Division)

M: Manchukuoan (Manchurian)

R: Reserve

SEF: Shanghai Expeditionary Force

Sh: Shanghai SNLF

Shigeto: Shigeto Detachment (Formosa brigade)

SNLF: Special Naval Landing Force

Chinese

Gd: Guard

PPC: Peace Preservation Corps

PACIFIC BATTLES: SHANGHAI '37

SHANGHAI CAMPAIGN MARKERS

JAPANESE MARKERS	When Played	Effect	Disposition
Shanghai Naval Gunfire	Initial set up	Bombardment strength = 3.	Remains in effect for the remainder of game.
Third Fleet Naval Gunfire	Immediately	Bombardment strength = 3.	Remains in effect for the remainder of game.
Tenth Army	Immediately	Japanese receive the Tenth Army reinforcement group. See the Reinforcement chart. <i>If this is picked on turn 1 or 2, return it to the Pool without playing; then pick a substitute.</i>	Remains in effect for remainder of game.
Central China Front	Immediately	1) Increase the Japanese Command Control level by one. 2) Japanese receive additional routine supply. See the Reinforcement chart. <i>If this is picked on turn 1 or 2, return it to the Pool without playing; then pick a substitute.</i>	Remains in effect for remainder of game.
North China Front	Immediately	Roll one die. On a 1-3 the Japanese player must immediately lose two supply units (of his choice). On a 4-6, nothing happens.	Remove from play.
Air Upgrade	Any Japanese reinforcement phase	The Japanese player removes three air units from the map. On the turn following, the Japanese receive six air unit reinforcements.	Remove from play.
Banzai!	Combat Phase	Play prior to any one land battle. Apply all of following to this battle: 1) Japanese receive a one column shift in their favor, attacking or defending. 2) Japanese units ignore all rout and retreat results. Unit eliminations are applied normally.	Return to Pool.
Espionage	Immediately	Japanese Player may examine all Chinese units on the map or Reinforcement track.	Return to Pool.
Gekokujo	Immediately	Roll one die. On a 1-4 the Japanese player may activate any one HQ without using a supply unit; it remains activated for the remainder of the turn. On a 5-6 the Japanese receive one less supply point reinforcement this turn.	Return to Pool.
Intelligence	Immediately	Use this as either an Espionage or Recon marker.	Return to Pool.
Panic	Immediately	For the remainder of this turn, the Japanese player must expend two supply units to activate a HQ.	Return to Pool.
Recon	1) Japanese Movement Phase or 2) Chinese Combat Phase	1) The Japanese player may examine any one Allied stack anywhere on the map. or 2) The Japanese player may decide which CRT will be used for the combat.	Return to Pool.
Staff Planning	Logistics phase	Activate one HQ without using a Supply unit.	Return to Pool.
Warlords	Logistics Phase	Player after the Chinese player has activated a HQ: inactivate that HQ.	Remove from play.
Weather	Immediately	Each player must transfer one air unit into the Damaged box; then each player eliminates one supply point.	Return to Pool.

JAPANESE VICTORY POINTS TABLE

Event	VP
Gained immediately	
Each Chinese HQ unit eliminated	3
Each Chinese 4-6-8 division eliminated	3
Each Chinese 3-5-6 division eliminated	2
Each other Chinese ground unit eliminated	1
Each Chinese air unit eliminated	3
Each Chinese supply unit eliminated	0
Gained during each Victory Check phase	
Each Objective hex occupied by Japanese land units	1

CHINESE VICTORY POINTS TABLE

Event	VP
Gained immediately	
Each Japanese HQ unit eliminated	4
Each Japanese brigade eliminated	2
Each other Japanese ground unit eliminated	1
Each Japanese air unit eliminated	2
Each Japanese supply unit eliminated	0
Gained during each Victory Check phase	
Each Objective hex occupied by Chinese land units	2

CHINESE MARKERS	When Played	Effect	Disposition
8th Army Group	Immediately	Chinese receive the Eighth Army Group reinforcement group. <i>If this is picked on turn 1, return it to the Pool without playing; then pick a substitute.</i>	Remains in effect for remainder of game.
15th Army Group	Immediately	Chinese receive the Fifteenth Army Group reinforcement group. <i>If this is picked on turn 1, return it to the Pool without playing; then pick a substitute.</i>	Remains in effect for remainder of game.
19th Army Group	Immediately	Chinese receive the Nineteenth Army Group reinforcement group. <i>If this is picked on turn 1, return it to the Pool without playing; then pick a substitute.</i>	Remains in effect for remainder of game.
21st Army Group	Immediately	Chinese receive the Twenty-First Army Group reinforcement group. <i>If this is picked on turn 1, return it to the Pool without playing; then pick a substitute.</i>	Remains in effect for remainder of game.
Chiang Kai-shek	Immediately	Raise the Chinese command level by one.	Remains in effect for remainder of game.
German Advisors	Logistics phase	Activate one HQ without using a Supply unit.	Return to Pool.
Guerrillas	Immediately	The Japanese player must show the Chinese player all supply units on the map (but not in the off-map base); the Chinese player then rolls a die: on a 1-3 he eliminates one Japanese supply point; on a 4-6 there is no effect.	Return to Pool.
Gung Ho	Any land combat phase.	Chinese units in one battle receive a one column shift in their favor.	Return to Pool.
Intelligence	Immediately	Player may examine all Japanese units on the map or Reinforcement track.	Return to Pool.
International Incident	Immediately	Roll one die. 1-3 = Chinese receive one supply unit in the off-map base; 4-5 Chinese must eliminate one of their supply units (anywhere); 6 = no effect.	Return to Pool.
Lone Battalion	Any Japanese land combat phase.	Chinese units in one battle receive a two column defensive shift and ignore any retreat or rout results.	Remove from play.
Morale	Immediately	Each player totals the number of Objective hexes their forces currently occupy. If one player occupies at least two more than the other, that player immediately receives one supply unit reinforcement.	Return to Pool.
Panic	Immediately	For the remainder of this turn, the Chinese player must expend two supply units to activate a HQ.	Return to Pool.
Recon	1) Chinese Movement Phase or 2) Japanese Combat Phase	1) The Chinese player may examine any one Japanese stack anywhere on the map. or 2) The Chinese player may decide which CRT will be used for the combat.	Return to Pool.
Scuttle Ships	At the start of the Reinforcement phase	For the remainder of this turn, the Japanese may not land reinforcement or move the amphibious unit on river hexes. Reinforcements may be landed, and amphibious unit movement may be made, via sea and sea-coastal hexes.	Remove from play.
Soviet Air Assistance	Immediately	The Chinese player receives three air unit reinforcements.	Remove from play.
Weather	Immediately	Each player must transfer one air unit into the Damaged box; then each player eliminates one supply point.	Return to Pool.

REINFORCEMENT INTERDICTION TABLE

Number of air and/or naval gunfire points => die roll	1	2	3	4	5	6
1	AA	AA	AA	AA	AA	AA
2	-	-	-	-	-	D1
3	-	-	-	D1	D1	D2
4	-	-	D1	D2	D2	D2
5	-	D1	D2	D2	E	E
6	D1	D2	E	E	E	E

RESULTS

AA: Place one interdicting air unit in the Damaged box

D1: Unit is delayed one turn.

D2: Eliminate supply point; other unit is delayed two turns.

E: Elimination. If a regiment, break down the unit, eliminate one subordinate unit, and the remaining units are delayed two turns. Otherwise, eliminate the unit or supply point (interdicting player's choice). (See 16.6 for details)

Japanese Reinforcement Group	Turn of Arrival	Units
Shanghai Expeditionary Force (first echelon)	August II	SEF HQ; 3, 11, HQ, 5/3, 29/3, 10/11, 22/11 infantry brigades; 3, 11 armored recon; 7MG infantry; SEF armor; SEF antiaircraft; 8 engineer; 1 Com SNLF, 2 Com SNLF; 6 x air units.
Shanghai Expeditionary Force (second echelon)	Sept I	5 armor; Shigeto, 1/M, 2M brigades.
Shanghai Expeditionary Force (third echelon)	Sept II	9, 101 HQ; 6, 18, 101, 102 infantry brigades; 9, 101 armored recon.
Shanghai Expeditionary Force (fourth echelon)	October I	13 HQ; 26, 103 infantry brigades; 13 armored recon.
Tenth Army	Turn <i>Tenth Army</i> marker is picked.	10 HQ; 6, 16, 18, 114 HQs; Kunizaki, 11, 36, 19, 30, 23, 35, 127, 128 infantry brigades; 6, 16, 18, 114 armored recon; 10 armor; 10 Engineer; SEF Amphib.
Routine Air	August I – end game	1 air unit per turn.
Supply units (routine)	August I – until <i>Central Chine Front</i> marker is picked.	4 points per turn.
Supply units (routine)	Turn <i>Central China Front</i> marker is picked – until end of scenario	6 points per turn.
Campaign Markers	See explanations	

Chinese Reinforcement Group	Turn of Arrival	Units
9 th Army Group	August II	9 HQ; 2 x 4-6-8 divisions; 2 x 3-5-6 divisions; 4 x 1-3-4 divisions, 1 x 1-2-4 brigade; 1 x tank battalion; 3 x air units.
10 th Army Group	August II	10 HQ; 5 x 1-3-4 divisions, 4 x 1-2-4 brigades.
8 th Army Group	Turn <i>8th Army Group</i> marker picked	8 HQ; 2 x 4-6-8 divisions; 5 x 1-3-4 divisions, 2 x 1-2-4 brigades; 1 x 2-3-8 regiment; 3 x supply points.
15 th Army Group	Turn <i>15th Army Group</i> marker picked	15 HQ; 16 x 1-3-4 divisions; 1 x 1-2-4 brigade; 1 x supply point.
19 th Army Group	Turn <i>19th Army Group</i> marker picked	19 HQ; 2 x 4-6-8 divisions; 5 x 1-3-4 divisions; 2 x supply points.
21 st Army Group	Turn <i>21st Army Group</i> marker picked	21 HQ; 7 x 1-3-4 divisions; 1x supply point.
Routine Air	-	none
Supply units (routine)	August I – November II	1 point per turn.
Soviet Air Assistance	Turn <i>Soviet Air Assistance</i> marker picked.	3 x Air Strikes.
Campaign Markers	See explanations	

ASSAULT CRT RESULTS

AE: Attacker Eliminated

- 1) Eliminate all attacking units that have no battalion breakdowns.
- 2) Replace all attacking units that have breakdowns with the equivalent subordinate units; one survives per unit and the remainder are eliminated.
- 3) Surviving attacking units retreat two hexes.
- 4) Defending units may pursue one hex.

AS: Attacker Shattered

- 1) Eliminate units equal to 50% of attacking combat factors.
- 2) Surviving attacking units retreat one hex.
- 3) Defending units may pursue one hex.

AZ: Attacker Annihilated

- 1) Eliminate all attacking units and place them in the permanent deadpile.
- 2) Defending units may pursue one hex.

BB: Bloodbath

- 1) Eliminate defending units equal to 50% of attacking combat factors.
- 2) Eliminate attacking units equal to 50% of attacking combat factors.
- 3) No retreat.

- 4) If one side is completely eliminated, then the other side may pursue one hex.

DE: Defender Eliminated

- 1) Eliminate all defending units that have no battalion breakdowns.
- 2) Replace all defending units that have breakdowns with the equivalent subordinate units; one survives per unit and the remainder are eliminated.
- 3) Surviving defending units retreat two hexes.
- 4) Attacking units may pursue one hex.

DS: Defender Shattered

- 1) Eliminate units equal to 50% of defending combat factors.
- 2) Surviving defending units retreat one hex.
- 3) Attacking units may pursue one hex.

DZ: Defender Annihilated

- 1) Eliminate all defending units and place them in the permanent deadpile.
- 2) Attacking units may pursue one hex.

RAID CRT RESULTS

AA: Attacker Attrition

- 1) Attacker does one of the following:
 - a) breaks down one regiment or brigade; or
 - b) eliminates one unit.

- 2) No retreat or pursuit.

AM: Attacker Outmaneuvered

- 1) Eliminate units equal to 50% of attacking combat factors.
- 2) Surviving attacking units Rout.
- 3) Defending units may pursue one hex.

CT: Contact

- 1) No effect.

DA: Defender Attrition

- 1) Defender does one of the following:
 - a) breaks down one regiment or brigade; or
 - b) eliminates one unit.
- 2) No retreat or pursuit.

DM: Defender Outmaneuvered

- 1) Eliminate units equal to 50% of defending combat factors.
- 2) Surviving defending units Rout.
- 3) Attacking units may pursue two hexes.

Note: Units occupying city hexes may ignore normal retreat results; routs are converted into normal retreats for units occupying a city hex, however.