

Persian Incursion

Israel and a Nuclear Iran

Expanded Target Damage Forms

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These forms are designed to be used with *Persian Incursion* to record damage on Iranian targets. They are expanded version of the information included in the Target Folders booklet, with spaces to mark off the damage on each structure as it is inflicted.

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Rule Change: Nuclear infrastructure targets are "Damaged" (tactical victory) when all primary targets are destroyed (Damaged and Destroyed hit boxes are checked off). The facility is considered "Destroyed" when all the secondary targets have had all their "Damage" hit boxes checked off, in addition to all primary target hit boxes.

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The designers of *Persian Incursion* are prepared to answer questions about play of the game system. They can be reached in care of Clash of Arms. *Persian Incursion* is part of the *Admiralty Trilogy* game system.

Natanz Facility Target List

	<u>Size</u> <u>Description</u>	<u>Armor</u> <u>Class</u>	<u>Damage Boxes</u> <u>Class</u>	<u>Damaged</u>	<u>Destroyed</u>
Primary Targets					
	Original Centrifuge Plant - Centrifuge Assembly complex				
A	Quality Control, pilot centrifuge plant	C	0	□□□□	□□
B	Pilot Plant 2	C	0	□□□	□□
C	Pilot Plant 3	C	0	□□□□	□□
D	Pilot Plant 4 (center building)	C	0	□□□	□□
E	Pilot Plant 5	C	0	□□□	□□
F	Pilot Plant 6	C	0	□□□	□□
	Underground Facility				
G ¹	Centrifuge hall	*2	48 ²	□□□□□	□□□□
	G1 □□ ²				
	G2 □□ ²				
	G3 □□ ²				
	G4 □□ ²				
H ¹	Centrifuge hall	*2	48 ²	□□□□□	□□□□
	H1 □□ ²				
	H2 □□ ²				
	H3 □□ ²				
	H4 □□ ²				
I	UF ₆ Storage	*2	48 ²	□□	□
J	Building covering tunnel entrance to the underground facilities	C	7	□□□	□□
Secondary Targets					
L	Steam Plant 1	B	0	□□□□	□□
M	Steam Plant 2	D	0	□□□	□
N1	Air Handling Building	C	0	□□□	□□
N2	Air Handling Building	C	0	□□□	□□
P1	Transformer Station	C	0	□□	□
P2	Transformer Station	C	0	□□	□
P3	Transformer Station	C	0	□□	□
P4	Transformer Station	C	0	□□	□
Q1	Backup Gas Turbine Generator	E	0	□	□
Q2	Backup Gas Turbine Generator	E	0	□	□
R	Transformer Substation	C	0	□□	□

Notes:

1) G1 - G4 and H1 - H4 are four aim points distributed over each hall. The hit damage from the weapons that penetrate all four aim points should be combined for each hall. The two centrifuge halls require a total of five hit boxes to be damaged, and four more (nine total) to be destroyed. Damage is limited to five hit boxes if only one aim point is penetrated. They can only inflict full damage (nine boxes) with two or more aim points penetrated.

2) Based on NIT1 and imagery reports by ISIS, the centrifuge halls and UF₆ storage area heavily protected by an 8-meter layer of earth and rock over a 2.5m concrete "burster slab" over another 8 meters of earth and rock on top of the 2.5 meter-thick ceiling of the structures. Barring mechanical failure or targeting error (included in the hit chance), a guided weapon will strike the relatively large area occupied by the underground facility, but to reach the hall's vitals, a second weapon must pass through a hole in the burster slab created by the first weapon's impact. This requires two successive hits on the same spot. The first aim point is a B-sized area. The second is an F-sized target (the hole in the slab made by the first weapon). Only if the second EGBU-28B also hits will it actually inflict any damage inside the hall.

If the US is an Israeli supporter at the start of the game, the Israeli player can purchase the EGBU-28C upgrade, which is an improved munition. A single EGBU-28C can penetrate the entire overhead protection of the centrifuge halls and support building and inflict full damage. In this case, each aim point only requires one hit against a B-sized target. As a US ally, the Israeli player may also be given a B-2 mission (see page 11 of the Rules Booklet). The GBU-57 Massive Ordnance Penetrator will go through both layers of earth and concrete (like they aren't even there!), inflicting full damage if it hits. It also rolls to hit an A-sized target.

Arak Heavy Water Plant Target List

<u>Description</u>	<u>Size Class</u>	<u>Damage Boxes Damaged</u>	<u>Destroyed</u>
Primary Targets			
A1 Girdler-Sulfide Unit (Unit 3)	D	<input type="checkbox"/>	<input type="checkbox"/>
A2 Girdler-Sulfide Unit (Unit 3)	D	<input type="checkbox"/>	<input type="checkbox"/>
A3 Girdler-Sulfide Unit (Unit 3)	D	<input type="checkbox"/>	<input type="checkbox"/>
A4 Girdler-Sulfide Unit (Unit 3)	D	<input type="checkbox"/>	<input type="checkbox"/>
A5 Girdler-Sulfide Unit (Unit 3)	D	<input type="checkbox"/>	<input type="checkbox"/>
A6 Girdler-Sulfide Unit (Unit 3)	D	<input type="checkbox"/>	<input type="checkbox"/>
B1 Girdler-Sulfide Unit (Unit 4)	D	<input type="checkbox"/>	<input type="checkbox"/>
B2 Girdler-Sulfide Unit (Unit 4)	D	<input type="checkbox"/>	<input type="checkbox"/>
B3 Girdler-Sulfide Unit (Unit 4)	D	<input type="checkbox"/>	<input type="checkbox"/>
B4 Girdler-Sulfide Unit (Unit 4)	D	<input type="checkbox"/>	<input type="checkbox"/>
B5 Girdler-Sulfide Unit (Unit 4)	D	<input type="checkbox"/>	<input type="checkbox"/>
B6 Girdler-Sulfide Unit (Unit 4)	D	<input type="checkbox"/>	<input type="checkbox"/>
D Distillation Plant (Prob Unit 5)			
D1 Building	E	<input type="checkbox"/>	<input type="checkbox"/>
D2 Piping	E	<input type="checkbox"/>	<input type="checkbox"/>
D3 Piping	E	<input type="checkbox"/>	<input type="checkbox"/>
D4 Piping	E	<input type="checkbox"/>	<input type="checkbox"/>
Secondary Targets			
C Cooling Unit			
C1 Building 1	D	<input type="checkbox"/>	<input type="checkbox"/>
C2 Piping	D	<input type="checkbox"/>	<input type="checkbox"/>
C3 Building 2	E	<input type="checkbox"/>	<input type="checkbox"/>
C4 Fans	E	<input type="checkbox"/>	<input type="checkbox"/>
E Fuel Tanks	E	<input type="checkbox"/>	<input type="checkbox"/>
F Possible Electrical Power Plant	D	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
G1 H ₂ S Removal Unit	E	<input type="checkbox"/>	<input type="checkbox"/>
G2 H ₂ S Removal piping and Flare Tower	E	<input type="checkbox"/>	<input type="checkbox"/>
H1 Feedwater Handling and Purification	E	<input type="checkbox"/>	<input type="checkbox"/>
H2 Feedwater Handling and Purification	E	<input type="checkbox"/>	<input type="checkbox"/>
H3 Feedwater Handling and Purification	E	<input type="checkbox"/>	<input type="checkbox"/>
I H ₂ S Production Plant			
I1 Building 1	C	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
I2 Building 2	D	<input type="checkbox"/>	<input type="checkbox"/>

All targets are armor class 0

Arak Reactor Facility Target List

	<u>Description</u>	<u>Size Class</u>	<u>Damage Boxes Damaged</u>	<u>Destroyed</u>
Primary Targets				
J	Reactor Dome	C	□	□
K	Possible Secondary Loop Support Bldg	C	□□□	□□
L	Secondary Cooling Systems & Pumping Station			
L1	Building 1	E	□□□	□□
L2	Building 2	E	□□	□
L3	Fan Building	E	□	□
Secondary Targets				
M	Possible Hot Cells & Radioisotope Production Bldgs			
M1	Building 1	C	□□□	□□
M2	Building 2	E	□□□	□□
M3	Building 3	E	□□	□
M4	Building 4	E	□□□	□□
M5	Building 5	D	□□□	□□
M6	Building 6	D	□□□	□□
N	Reserve Coolant & Pumping Station			
N1	Building	D	□	□
N2	Tank 1	E	□	□
N3	Tank 2	E	□	□
N4	Tank 3 & 4	E	□	□
P	Spent Fuel Cooling Ponds & Ventilation Stack			
P1	Building 1	E	□□	□
P2	Building 2	E	□□	□
P3	Building 3	E	□□	□

All targets are armor class 0, except the reactor dome, which is armor class 5

Qom Uranium Enrichment Facility Target List

	<u>Description</u>	<u>Size Class</u>	<u>Armor Class</u>	<u>Damage Boxes Damaged</u>	<u>Destroyed</u>
Primary Targets					
A	Enrichment Facility	B	15	□□	□□

Isfahan Uranium Conversion Facility Target List

<u>Description</u>	<u>Size Class</u>	<u>Damage Boxes Damaged</u>	<u>Destroyed</u>
Primary Targets			
A1 Uranium Conversion Facility	C	□□	□
A2 Uranium Conversion Facility	C	□□	□
A3 Uranium Conversion Facility	C	□□	□
A4 Uranium Conversion Facility	C	□□	□
Secondary Targets			
C1 UCF Support	C	□□	□
C2 UCF Support	C	□□	□
C3 UCF Support	C	□□	□
C4 UCF Support	C	□□	□
C5 UCF Support	C	□□	□
C6 UCF Support	C	□□	□
C7 UCF Support	C	□□	□
C8 UCF Support	C	□□	□
C9 UCF Support	D	□□	□
C10 UCF Support	D	□□	□
C11 UCF Support	C	□□	□
C12 UCF Support	C	□□	□
C13 UCF Support	C	□□	□

Isfahan Fuel Manufacturing Plant Target List

Primary Targets			
B Fuel Manufacturing Plant	C	□□	□
Secondary Targets			
D Transformer Station	E	□□	□

Isfahan Zirconium Production Plant Target List

Primary Targets			
A1 Foundry	D	□□□	□□
A2 Foundry	C	□□□	□□□
A3 Foundry	C	□□□	□□□
A4 Foundry	D	□□□	□□□
A5 Foundry	D	□□□	□□
A6 Foundry	D	□□□	□□
Secondary Targets			
B1 Fabrication & Finishing	C	□□	□
B2 Fabrication & Finishing	C	□□	□
B3 Fabrication & Finishing	C	□□	□
B4 Fabrication & Finishing	C	□□	□
B5 Fabrication & Finishing	E	□	□
B6 Fabrication & Finishing	D	□	□

All targets are armor class 0

Abadan Oil Refinery and Terminal Target List

<i>Description</i>	<i>Size Class</i>	<i>Damage Boxes Damaged</i>	<i>Destroyed</i>
Refinery Primary Targets:			
A1 Atmospheric Distillers	D	<input type="checkbox"/>	<input type="checkbox"/>
A2 Atmospheric Distillers	D	<input type="checkbox"/>	<input type="checkbox"/>
A3 Atmospheric Distillers	D	<input type="checkbox"/>	<input type="checkbox"/>
A4 Atmospheric Distillers	D	<input type="checkbox"/>	<input type="checkbox"/>
B Catalytic Cracker	D	<input type="checkbox"/>	<input type="checkbox"/>
C Catalytic Reformer	D	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
D1 Vacuum Distillers	D	<input type="checkbox"/>	<input type="checkbox"/>
D2 Vacuum Distillers	D	<input type="checkbox"/>	<input type="checkbox"/>
D3 Vacuum Distillers	D	<input type="checkbox"/>	<input type="checkbox"/>
D4 Vacuum Distillers	D	<input type="checkbox"/>	<input type="checkbox"/>
D5 Vacuum Distillers	D	<input type="checkbox"/>	<input type="checkbox"/>
Refinery Secondary Targets:			
E Visibreaker	D	<input type="checkbox"/>	<input type="checkbox"/>
F Gas Plant	B	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
G1 Power/Steam Plant ¹	B	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
G2 Power/Steam Plant ¹	B	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
H Hydrogen Production Plant	B	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
Terminal³ Primary Targets:			
I1 Storage/Pumping	C	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
I2 Storage/Pumping	C	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
Terminal³ Secondary Targets:			
J1 Tanker Loading Pier ^{1,2}	E	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
J2 Tanker Loading Pier ^{1,2}	E	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
J3 Tanker Loading Pier ^{1,2}	E	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
J4 Tanker Loading Pier ^{1,2}	E	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
J5 Tanker Loading Pier ^{1,2}	E	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
J6 Tanker Loading Pier ^{1,2}	E	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
J7 Tanker Loading Pier ^{1,2}	E	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
J8 Tanker Loading Pier ^{1,2}	E	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
J9 Tanker Loading Pier ^{1,2}	E	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>

All targets are armor class 0, of light construction, except where noted.

Notes:

- 1) Heavy construction
- 2) The target size of a pier/jetty is determined by its width, not its length.
- 3) The terminal is used for transporting refined petroleum products internally and is not used for exports.

Arak Oil Refinery Target List

	<u>Description</u>	<u>Size Class</u>	<u>Damage Boxes</u>	
			<u>Damaged</u>	<u>Destroyed</u>
Primary Targets:				
A	Atmospheric Distiller	D	□	□
B	Hydrocracker	D	□	□
C	Catalytic Reformer	D	□	□
Secondary Targets:				
E	Visibreaker	D	□	□
F	LPG Plant	B	□□	□
G	Power/Steam Plant ¹	B	□□□	□
H	Hydrogen Plant	E	□□	□

All of the targets listed are Armor Class 0, and are of light (exposed machinery) construction, except where noted.

Notes:

- 1) Heavy construction

Bandar Abbas Oil Refinery Target List

	<u>Description</u>	<u>Size Class</u>	<u>Damage Boxes</u>	
			<u>Damaged</u>	<u>Destroyed</u>
Primary Targets:				
A	Atmospheric Distiller	D	<input type="checkbox"/>	<input type="checkbox"/>
B	Hydrocracker	D	<input type="checkbox"/>	<input type="checkbox"/>
C	Catalytic Reformer	D	<input type="checkbox"/>	<input type="checkbox"/>
Secondary Targets:				
E	Visibreaker	D	<input type="checkbox"/>	<input type="checkbox"/>
F	LPG Plant	B	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
G	Power/Steam Plant ¹	B	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
H	Hydrogen Plant	E	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>

All of the targets listed are Armor Class 0, and are of light (exposed machinery) construction, except where noted.

Notes:

- 1) Heavy construction
-

Isfahan Oil Refinery Target List

	<u>Description</u>	<u>Size Class</u>	<u>Damage Boxes</u>	
			<u>Damaged</u>	<u>Destroyed</u>
Primary Targets:				
A1	Atmospheric Distiller	D	<input type="checkbox"/>	<input type="checkbox"/>
A2	Atmospheric Distiller	D	<input type="checkbox"/>	<input type="checkbox"/>
B1	Hydrocracker	D	<input type="checkbox"/>	<input type="checkbox"/>
B2	Hydrocracker	D	<input type="checkbox"/>	<input type="checkbox"/>
C	Catalytic Reformer	D	<input type="checkbox"/>	<input type="checkbox"/>
D1	Vacuum Distiller	D	<input type="checkbox"/>	<input type="checkbox"/>
D2	Vacuum Distiller	D	<input type="checkbox"/>	<input type="checkbox"/>
Secondary Targets:				
E1	Visibreaker	D	<input type="checkbox"/>	<input type="checkbox"/>
E2	Visibreaker	D	<input type="checkbox"/>	<input type="checkbox"/>
F	LPG Plant	B	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
G	Power/Steam Plant ¹	B	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
H	Hydrogen Plant	E	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>

All of the targets listed are Armor Class 0, and are of light (exposed machinery) construction, except where noted.

Notes:

- 1) Heavy construction

Kermanshah Oil Refinery Target List

	<u>Description</u>	<u>Size Class</u>	<u>Damage Boxes</u>	
			<u>Damaged</u>	<u>Destroyed</u>
Primary Targets:				
A	Atmospheric Distiller	D	□	□
B	Hydrocracker	D	□	□
C	Catalytic Reformer	D	□	□
Secondary Targets:				
E	Visibreaker	D	□	□
F	LPG Plant	B	□□	□
G	Power/Steam Plant ¹	B	□□□	□
H	Hydrogen Plant	E	□□	□

All of the targets listed are Armor Class 0, and are of light (exposed machinery) construction, except where noted.

Notes:

1) Heavy construction

Lavan Island Oil Refinery Target List

	<u>Description</u>	<u>Size Class</u>	<u>Damage Boxes</u>	
			<u>Damaged</u>	<u>Destroyed</u>
Primary Targets:				
A	Atmospheric Distiller	D	□	□
B	Hydrocracker	D	□	□
C	Catalytic Reformer	D	□	□
Secondary Targets:				
E	Visibreaker	D	□	□
F	LPG Plant	B	□□	□
G	Power/Steam Plant ¹	B	□□□	□
H	Hydrogen Plant	E	□□	□

All of the targets listed are Armor Class 0, and are of light (exposed machinery) construction, except where noted.

Notes:

1) Heavy construction

Shiraz Oil Refinery Target List

	<u>Description</u>	<u>Size Class</u>	<u>Damage Boxes</u>	
			<u>Damaged</u>	<u>Destroyed</u>
Primary Targets:				
A	Atmospheric Distiller	D	<input type="checkbox"/>	<input type="checkbox"/>
B	Hydrocracker	D	<input type="checkbox"/>	<input type="checkbox"/>
C	Catalytic Reformer	D	<input type="checkbox"/>	<input type="checkbox"/>
D	Vacuum Distiller	D	<input type="checkbox"/>	<input type="checkbox"/>
Secondary Targets:				
E	Visibreaker	D	<input type="checkbox"/>	<input type="checkbox"/>
F	LPG Plant	B	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
G	Power/Steam Plant ¹	B	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
H	Hydrogen Plant	E	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>

All of the targets listed are Armor Class 0, and are of light (exposed machinery) construction, except where noted.

Notes:

1) Heavy construction

Tabriz Oil Refinery Target List

	<u>Description</u>	<u>Size Class</u>	<u>Damage Boxes</u>	
			<u>Damaged</u>	<u>Destroyed</u>
Primary Targets:				
A	Atmospheric Distiller	D	<input type="checkbox"/>	<input type="checkbox"/>
B	Hydrocracker	D	<input type="checkbox"/>	<input type="checkbox"/>
C	Catalytic Reformer	D	<input type="checkbox"/>	<input type="checkbox"/>
D	Vacuum Distiller	D	<input type="checkbox"/>	<input type="checkbox"/>
Secondary Targets:				
E	Visibreaker	D	<input type="checkbox"/>	<input type="checkbox"/>
G	Power/Steam Plant ¹	B	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
H	Hydrogen Plant	E	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>

All of the targets listed are Armor Class 0, and are of light (exposed machinery) construction, except where noted.

Notes:

1) Heavy construction

Tehran Oil Refinery Target List

	<u>Description</u>	<u>Size Class</u>	<u>Damage Boxes</u>	
			<u>Damaged</u>	<u>Destroyed</u>
Primary Targets:				
A1	Atmospheric Distiller	D	<input type="checkbox"/>	<input type="checkbox"/>
A2	Atmospheric Distiller	D	<input type="checkbox"/>	<input type="checkbox"/>
B1	Hydrocracker	D	<input type="checkbox"/>	<input type="checkbox"/>
B2	Hydrocracker	D	<input type="checkbox"/>	<input type="checkbox"/>
C1	Catalytic Reformer	D	<input type="checkbox"/>	<input type="checkbox"/>
C2	Catalytic Reformer	D	<input type="checkbox"/>	<input type="checkbox"/>
D1	Vacuum Distiller	D	<input type="checkbox"/>	<input type="checkbox"/>
D2	Vacuum Distiller	D	<input type="checkbox"/>	<input type="checkbox"/>
Secondary Targets:				
E1	Visibreaker	D	<input type="checkbox"/>	<input type="checkbox"/>
E2	Visibreaker	D	<input type="checkbox"/>	<input type="checkbox"/>
F1	LPG Plant	B	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
F2	LPG Plant	B	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
G1	Power/Steam Plant ¹	B	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
H1	Hydrogen Plant	E	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>
H2	Hydrogen Plant	E	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>

All of the targets listed are Armor Class 0, and are of light (exposed machinery) construction, except where noted.

Notes:

- 1) Heavy construction

<u>Refinery</u>	<u>Production</u> <u>(Thousands bbls/day)</u>	<u>% of</u> <u>National</u>
<u>Total</u>		
Arak	170	12%
Kermanshah	30	2%
Tabriz	100	7%
Tehran	220	15%
Shiraz	40	3%
Bandar Abbas	230	16%
Isfahan	250	18%
Abadan	350	25%
Lavan Island	30	2%

Kharg Island Oil Terminal Target List

	<u>Description</u>	<u>Size Class</u>	<u>Construction Type</u>	<u>Damage Boxes Damaged</u>	<u>Destroyed</u>
Primary Targets					
A1	T Jetty-Berth Piping ^{1,2}	G	Light	□□□□	□□
A7	T Jetty-Stem ¹	G	Heavy	□□	□
B1	Pipe Manifold	C	Light	□□	□
B2	Pipe Manifold	C	Light	□□	□
C	Sea Island Pumphouse	C	Light	□□	□
D1	Sea Island Pipe Manifold ³	F	Light	□□	□
D2	Sea Island Pipe Manifold ³	F	Light	□□	□
Secondary Targets					
A2	T Jetty-Loading Point	C	Light	□	□
A3	T Jetty-Loading Point	C	Light	□	□
A4	T Jetty-Loading Point	C	Light	□	□
A5	T Jetty-Loading Point	C	Light	□	□
A6	T Jetty-Loading Point	C	Light	□	□
E	Desalination Plant	C	Light	□□	□
F1	Sea Island Berths Piping ³	F	Light	□	□
F2	Sea Island Berths Piping ³	F	Light	□	□

All of the targets listed below are Armor Class 0, and are of light construction, except where noted.

Notes:

- 1) The size class of the jetty is determined by its width, not its length
- 2) The T-Jetty Berth Piping has five aim points.
- 3) The Sea Island piping is targeted where it enters the water. The piping manifolds are on two small platforms located offshore.

Sirri Island Oil Terminal

	<u>Description</u>	<u>Size Class</u>	<u>Damage Boxes Damaged</u>	<u>Destroyed</u>
Primary Targets				
B	Pumps/Machinery	C	□□	□
Secondary Targets				
A	Tanker Loading Jetty	G ¹	□□	□

Lavan Island Oil Terminal

	<u>Description</u>	<u>Size Class</u>	<u>Damage Boxes Damaged</u>	<u>Destroyed</u>
Primary Targets				
B	Pumps/Machinery	C	□□	□
Secondary Targets				
A1	Tanker Loading Jetty	G ¹	□□	□
A2	Tanker Loading Jetty	G ¹	□□	□

Ras Bahregan (formerly Cyrus) Oil Terminal

	<u>Description</u>	<u>Size Class</u>	<u>Damage Boxes Damaged</u>	<u>Destroyed</u>
Primary Targets				
B	Pumps/Machinery	C	□□	□
Secondary Targets				
A	Tanker Loading Jetty	G ¹	□□	□

Neka Oil Terminal

	<u>Description</u>	<u>Size Class</u>	<u>Damage Boxes Damaged</u>	<u>Destroyed</u>
Primary Targets				
B	Pumps/Machinery	C	□□	□
Secondary Targets				
A1	Tanker Loading Jetty	G ¹	□□	□
A2	Tanker Loading Jetty	G ¹	□□	□
A3	Tanker Loading Jetty	G ¹	□□	□

Notes:

- 1) The size class of a jetty is determined by its width, not its length.

Crude Oil Terminals	<u>Loading Thousands bbls/day</u>	<u>% of Total</u>
Kharg Island		
T-Jetty	1,664	18%
Sea Island Terminal	2,453	27%
Doroush Terminal	876	10%
Sirri Island Terminal	1,454	16%
Lavan Terminal	1,086	12%
Ras Bahregan	1,051	11%
Soroush	280	3%
Neka	298	3%
Total	9,162	

Generic Tactical Airbase Target List¹

Location: _____

<i>Description</i>	<i>Size Class</i>	<i>Armor Class</i>	<i>Damage Boxes Damaged</i>	<i>Destroyed</i>	
A1	Hardened Aircraft Shelter ²	D	7	□□	□
A2	Hardened Aircraft Shelter ²	D	7	□□	□
A3	Hardened Aircraft Shelter ²	D	7	□□	□
A4	Hardened Aircraft Shelter ²	D	7	□□	□
A5	Hardened Aircraft Shelter ²	D	7	□□	□
A6	Hardened Aircraft Shelter ²	D	7	□□	□
A7	Hardened Aircraft Shelter ²	D	7	□□	□
A8	Hardened Aircraft Shelter ²	D	7	□□	□
A9	Hardened Aircraft Shelter ²	D	7	□□	□
A10	Hardened Aircraft Shelter ²	D	7	□□	□
A11	Hardened Aircraft Shelter ²	D	7	□□	□
A12	Hardened Aircraft Shelter ²	D	7	□□	□
A13	Hardened Aircraft Shelter ²	D	7	□□	□
A14	Hardened Aircraft Shelter ²	D	7	□□	□
A15	Hardened Aircraft Shelter ²	D	7	□□	□
A16	Hardened Aircraft Shelter ²	D	7	□□	□
A17	Hardened Aircraft Shelter ²	D	7	□□	□
A18	Hardened Aircraft Shelter ²	D	7	□□	□
A19	Hardened Aircraft Shelter ²	D	7	□□	□
B1	Quick Reaction Shelter ²	D	7	□□	□
B2	Quick Reaction Shelter ²	D	7	□□	□
C	Control Tower	E	0	□□	□
D1	Magazine	D	7	□□	□
D2	Magazine	D	7	□□	□

Notes:

1) Runways and taxiways are not included on the target list because they can be quickly repaired, sometimes in a matter of hours.

2) The Hardened Aircraft Shelters (HAS) can each hold two small-sized aircraft. The Quick Reaction Shelters each hold one small-sized aircraft. All the fighter aircraft stationed at the airbase are housed in one of these HAS, including for maintenance. Two flight-ready fighters will always be housed in the Quick Reaction Shelters. If the airfield is attacked, the Iranian player must find out how many aircraft are present at the field, based on the squadron's alert status (see section 4.1.3 in the rules booklet):

- *Ready, Alert, Stand Down*: All the aircraft are present.
- *Patrol*: Four of the squadron's aircraft are aloft. The rest are present.

3) If any Israeli raid has been intercepted by GCI fighters in that air defense zone in that Map Turn, then roll once on the GCI fighter table to see how many aircraft were launched from this airbase. These are not aircraft that necessarily intercepted the Israeli raid, but they were launched and are not present at the field.

Once the Iranian player knows how many aircraft are present at the field, if a HAS is hit, he can roll randomly to see if any aircraft were sheltered inside. The Quick Reaction shelter will always be occupied.

4) All targets are considered primary targets.

Generic Buk-M1 Battery

Location: _____

<i>Description</i>	<i>Size Class</i>	<i>Damage Boxes (Destroyed)</i>	
A1 9A310 Four-rail launcher vehicle with Front Dome guidance radar	F	<input type="checkbox"/>	Primary Target
A2 9A310 Four-rail launcher vehicle with Front Dome guidance radar	F	<input type="checkbox"/>	Primary Target
A3 9A310 Four-rail launcher vehicle with Front Dome guidance radar	F	<input type="checkbox"/>	Primary Target
A4 9A310 Four-rail launcher vehicle with Front Dome guidance radar	F	<input type="checkbox"/>	Primary Target
B 9S18M1 [Snow Drift] acquisition radar	F	<input type="checkbox"/>	Secondary Target

None of the targets are armored.



Generic HQ-2J/Sayyad Battery

Location: _____

<i>Description</i>	<i>Size Class</i>	<i>Damage Boxes (Destroyed)</i>	
A1 Single-rail Launcher	F	<input type="checkbox"/>	Secondary Target
A2 Single-rail Launcher	F	<input type="checkbox"/>	Secondary Target
A3 Single-rail Launcher	F	<input type="checkbox"/>	Secondary Target
A4 Single-rail Launcher	F	<input type="checkbox"/>	Secondary Target
A5 Single-rail Launcher	F	<input type="checkbox"/>	Secondary Target
A6 Single-rail Launcher	F	<input type="checkbox"/>	Secondary Target
B SJ-202 [Gin Sling] guidance radar	F	<input type="checkbox"/>	Primary Target

None of the targets are armored.



Generic HQ-9 Battery

Location: _____

<i>Description</i>	<i>Size Class</i>	<i>Damage Boxes (Destroyed)</i>	
A1 Four-tubed launcher	F	<input type="checkbox"/>	Secondary Target
A2 Four-tubed launcher	F	<input type="checkbox"/>	Secondary Target
A3 Four-tubed launcher	F	<input type="checkbox"/>	Secondary Target
A4 Four-tubed launcher	F	<input type="checkbox"/>	Secondary Target
A5 Four-tubed launcher	F	<input type="checkbox"/>	Secondary Target
A6 Four-tubed launcher	F	<input type="checkbox"/>	Secondary Target
B HT-233 [Tiger Paw] guidance radar	F	<input type="checkbox"/>	Primary Target
C YLC-2V [High Guard] acquisition radar	F	<input type="checkbox"/>	Secondary Target

None of the targets are armored.



Generic I-Hawk/Sejil Battery

Location: _____

<i>Description</i>	<i>Size Class</i>	<i>Damage Boxes (Destroyed)</i>	
A1 Triple Launcher	F	<input type="checkbox"/>	Secondary Target
A2 Triple Launcher	F	<input type="checkbox"/>	Secondary Target
A3 Triple Launcher	F	<input type="checkbox"/>	Secondary Target
B MPQ-46 guidance radar	F	<input type="checkbox"/>	Primary Target
C MPQ-48 radar	F	<input type="checkbox"/>	Secondary Target
D MPQ-50 radar	F	<input type="checkbox"/>	Secondary Target

None of the targets are armored.



Generic Kub-M3 [SA-6] Battery

Location: _____

<i>Description</i>	<i>Size Class</i>	<i>Damage Boxes (Destroyed)</i>	
A1 2P25 Three-rail launcher vehicle	F	<input type="checkbox"/>	Secondary Target
A2 2P25 Three-rail launcher vehicle	F	<input type="checkbox"/>	Secondary Target
A3 2P25 Three-rail launcher vehicle	F	<input type="checkbox"/>	Secondary Target
A4 2P25 Three-rail launcher vehicle	F	<input type="checkbox"/>	Secondary Target
B 1S91 [Straight Flush] guidance radar vehicle	F	<input type="checkbox"/>	Primary Target
C Long Track acquisition radar (not visible in image)	F	<input type="checkbox"/>	Secondary Target

None of the targets are armored.



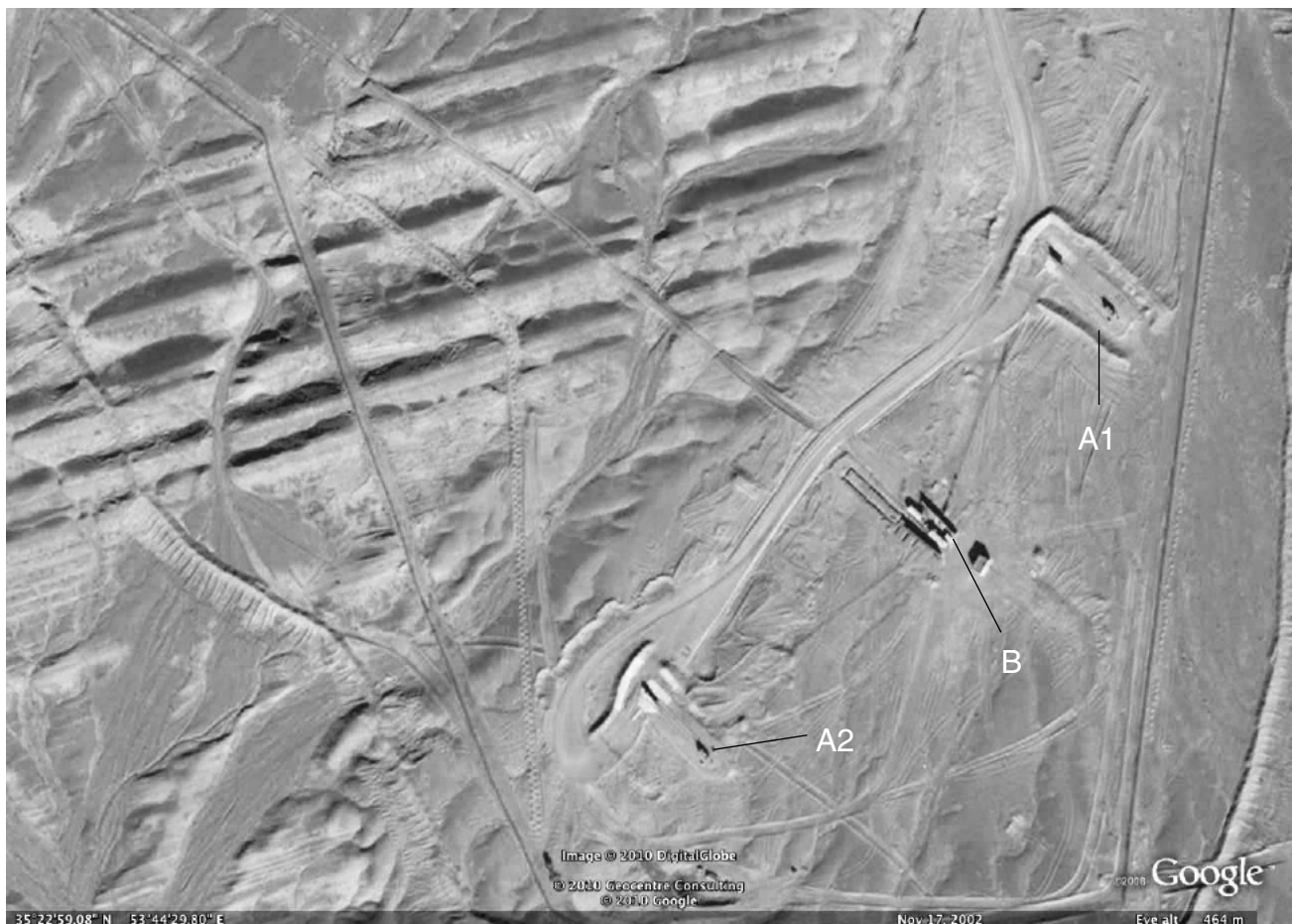
Generic S-200/Ghareh Battery

Location: _____

The Isfahan and Tehran Central sites also have a P-14 [Tall King] early warning radar and a PRV-13 [Odd Group] height finder radar collocated with the launchers and guidance radars, and statistics for this are included below, but it is not necessary for the SAM battery to function.

	<u>Description</u>	<u>Size Class</u>	<u>Damage Boxes (Destroyed)</u>	
A1	5P72 Single-Rail Launcher	F	<input type="checkbox"/>	Secondary Target
A2	5P72 Single-Rail Launcher	F	<input type="checkbox"/>	Secondary Target
B	56N2 [Square Pair] guidance radar	F	<input type="checkbox"/>	Primary Target
C	P-14 [Tall King] radar (not shown)	F	<input type="checkbox"/>	Secondary Target
D	PRV-13 [Odd Group] radar (not shown)	F	<input type="checkbox"/>	Secondary Target

None of the targets are armored.



Generic S-300 Battery

Location: _____

<u>Description</u>	<u>Size Class</u>	<u>Damage Boxes (Destroyed)</u>	
A1 5P85TE Four-tubed TEL	F	<input type="checkbox"/>	Secondary Target
A2 5P85TE Four-tubed TEL	F	<input type="checkbox"/>	Secondary Target
A3 5P85TE Four-tubed TEL	F	<input type="checkbox"/>	Secondary Target
A4 5P85TE Four-tubed TEL	F	<input type="checkbox"/>	Secondary Target
A5 5P85TE Four-tubed TEL	F	<input type="checkbox"/>	Secondary Target
A6 5P85TE Four-tubed TEL (A5 and A6 are missing from this image)	F	<input type="checkbox"/>	Secondary Target
B Big Bird acquisition radar (not visible in the Image)	F	<input type="checkbox"/>	Secondary Target
C 76N6 Clam Shell acquisition radar	F	<input type="checkbox"/>	Secondary Target
D 30N6E1 Tomb Stone guidance radar	F	<input type="checkbox"/>	Primary Target

None of the targets are armored.

