

F/A-18C: Strike at Tunb Island Harbor

Introduction

This is my first non-trivia mission for DCS World, (so do not expect a masterpiece) and the main purpose of realizing it is to learn how to use the mission editor. However, I hope you will enjoy it as much I have enjoyed creating and testing it.

Strike at Tunb Island Harbor is a single player mission for DCS World, which uses F/A-18C and Persian Gulf modules. It comes in 2 different flavors: standard, and Supercarrier, which take advantage from the DCS Supercarrier module to animate the aircraft carrier deck.

In standard version, you and your wingman will takeoff from [USS John C. Stennis \(CVN-71\)](#) [Nimitz class](#) aircraft carrier, while in Supercarrier version you will be on [USS Theodore Roosevelt \(CVN-71\)](#).

Disclaimer

Although I tried to keep the maximum possible realism the events described in this mission are completely FICTIONAL. Any reference to real events is casual.

Requirements

To work properly, Strike at Tunb Island Harbor requires the following DCS modules:

- [DCS: F/A-18C Hornet](#)
- [DCS: Persian Gulf](#)
- [DCS: Supercarrier](#) (optional)

Installation & Startup

To install the mission in DCS World, unzip the 2 .miz files and copy them into

```
X:\users\<username>\Saved Games\DCS\Missions\
```

or

```
X:\users\<username>\Saved Games\DCS.openbeta\Missions\
```

if you wish to play using the DCS Open Beta client.

Once placed the 2 .miz files in the right place, run DCS client, select “MISSION” from the main menu, and select the “My Missions” tab:

MISSION

My Missions

A-10C

AV8BNA

Combined Arms

F-16C

F-5E

F-86F

F/A-18C

Flaming Cliffs

JF-17

Ka-50

L-39

M-2000C

Missions

Name	Map	Modified
FA-18C - Strike at Tunb Island Harbor (Supercarrier) - V1.0	Persian Gulf	22.09.2020 00:44
FA-18C - Strike at Tunb Island Harbor - V1.0	Persian Gulf	22.09.2020 00:38
FA-18C - Tonopah Test flight	Nevada	19.09.2020 22:48

Description

June 21, 2020:
In the past months, 3 different US cargo ships cruising in the Persian Gulf mysteriously sank while on their way to the port of Kuwait City. Intel reports found evidences that the cause of these "accidents" are torpedos launched from the russian-built, Kilo class diesel/electric submarines of the Iranian Navy, who is trying to disrupt US commercial traffic with the allied Arabic nations in the area. As to be expected, the Iranian government denies any involvement and puts the blame on alleged Iraqi anti-ship mines still active since the first Gulf War in 1990.

Even if they are not the state-of-the-art of naval technology, the Kilos units can be extremely dangerous for cargo ships and oil tankers so they pose a serious threats to US and allied interests in the Gulf area.

A couple of hours ago, one of our spy satellites has caught one of these submarine units (which our analysts believe is the 'Yunes', hull No: 903), moored at Greater Tunb Island harbor for what seems to be a resupply of weapons and/or fuel. This operation won't take too much time (we expect that the Yunes sails at about 07:30PM local) but we still have a small window of time to try dispose one of these dangerous units once and forever: a small strike group will take of immediately and sunk the Yunes before it can leave the harbor and hide underwater.

CANCEL

OK

From here select “Strike at Tunb Island Harbor” for the standard version or “Strike at Tunb Island Harbor (Supercarrier)” for the Supercarrier version.

Mission Briefing

Situation

June 21, 2020:

In the past months, 3 different US cargo ships cruising in the [Persian Gulf](#) mysteriously sank while on their way to the port of [Kuwait City](#).

Intel reports found evidences that the cause of these "accidents" are torpedos launched from the Russian-built, [Kilo class](#) diesel/electric submarines of the [Iranian Navy](#), who is trying to disrupt US commercial traffic with the allied Arabic nations in the area. As to be expected, the Iranian government denies any involvement and puts the blame on alleged Iraqi anti-ship mines still active since the first [Gulf War](#) in 1990...

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Task detail

Due the short time available for planning, this will be a "low and fast" bombing profile mission:

Trident1 (2 F/A-18C from [VFA-106](#)) will take-off from the Carrier at 06:40 PM local and follow the route to Greater Tunb Island.

To avoid being detected by enemy [EWR](#) emplacement in [Bandar Abbas](#), **Trident1** must fly below 2000 ft AGL until reach Fence-In waypoint, which is located just outside the known air defences search radar range (see Intel Report for details).

Once Fenced-In, both **Trident1-1** and **Trident 1-2** will clear out [SAM](#) emplacements from outside their engagement radius using [AGM-88C HARM](#) missiles.

When reached IP point, **Trident1-1** will proceed to locate and destroy the Yunes using [Mk-83](#) iron bombs while **Trident1-2** will provide air cover.

WP 'Target' has been placed over the position where the Yunes was moored when satellite pictures were taken, but expect that it might be start moving out of the harbor.

Mission control, codename "**Neptune**" will keep in constant contact for mission updates from and to **Trident1**.

Package:

- Trident1-1 (Player) Destroy the Yunes / SEAD.
- Trident1-2 (Wingman 1) SEAD / air cover.
- Magic (AWACS): will monitor the area and report any hostile fighter detected.

Intel Report:

- One SA-6 "Kub" emplacement confirmed to be active on south west Greather Tunb Island ABF area as well as several mobile ZSU-23 'Shilka' AAA units in the proximity of the harbor.
- Unconfirmed Intel report indicates that another SAM emplacement (unknown type) might have been set-up on Greather Tunb Island north in the last hour.
- Due the high value of the target, we expect Iranian Air Force CAP flights to cover the area, possible F-4D/E, F-5E/F, F-14B, Mig-29S/UB.

Flight Plan:

- T/O: Catapults 1 or 2.
- WP1: (Departure) 1000 ft, 250 knts.
- WP2: 2000 ft, 350 knts.
- WP3: 1500 ft, 350 knts
- WP4: (Fence-In / SEAD Split) 1500 ft, 350 knts.
- WP5: (IP) 1500 ft, 350 knts.
- WP6: (Target) 3500 ft, 400 knts.
- WP7: (Fence-Out) 1500 ft, 400 knts.
- WP8: 3500 ft, 350 knts.
- WP9: Land on T. Roosevelt (CVN-71).
- Diverted Landing: Ras Al Khaimah Airport.

Radio Presets:

COM1:

- Ch1: Flight @150.0 MHz AM.
- Ch2: T. Roosevelt @127.5 MHz AM.
- Ch3: AWACS "Magic" @251.0 MHz AM.
- Ch4: Ras Al Khaima Tower @121.6 MHz AM.

COM2:

- Ch1: AWACS "Magic" @251.0 MHz AM.
- Ch2: T. Roosevelt @127.5 MHz AM.
- Ch3: Ras Al Khaima Tower @121.6 MHz AM.
- Ch4: Flight @150.0 MHz AM.

Nav Aids:

- Carrier: TACAN 75X, ICLS 10.

Bullseye:

26 15' 29" N, 55 18' 50" E: Over Tunb Island AFB.

Notes:

- Try follow the planned route strictly or some of the mission triggers may not be fired.
- Once Fenced-In order your wingman to engage enemy air defenses selecting:
"Flight/Engage/Enemy Air Defenses" order form Communication menu.

Kneeboard (Standard)

MISSION DATA					
Mission:	Strike at Tunb Island Harbor				
Date:	2020/Jun/21	Time:	19:30 PM (Local)		
Type:	Strike				
Package:	Trident1	Callsign:	Trident1-1		
TASK					
Primary:	Sunk the Yunes Submarine moored at Greather Tunb Island Harbor				
Secondary:	N/A				
TAKEOFF/LANDING					
	BASE	Rwy / BRC	TACAN	ILS/ICLS	Tower
T/O:	J. C. Stennis	336	75X	10X	127.5 MHz
Land:	J. C. Stennis	336	75X	10X	127.5 MHz
Divert:	Ras Al Khaimah	165			121.6 MHz
WAYPOINTS					
WP	Name	Alt	Note		
1	Departure	1000 ft			
2		2000 ft	Keep below 2000 ft!		
3		1500 ft	Keep below 2000 ft!		
4	Fence-In	1500 ft	Order Trident1-2 to split and do SEAD!		
5	IP	1500 ft			
6	Tgt	0 ft Elevation	Use Wp designate on HSI for CCRP attack		
7	Fence-Out	1500 ft			
8		3500 ft			
9	Land				
LOADOUT					
Station	Qty	Weapon	Note		
1&9	2	AIM-9X			
2&8	2	AGM-88C			
3&5	4	Mk-83			
7&4	2	AIM-120C			
5	1	330gal Fuel Tank			
RADIO & NAVAIDS					
Callsign	Ch.	Freq.	Task	TACAN	
Trident1	1-1, 2-4	150.0 MHz	Strike		
Neptune (base)	1-2, 2-2	127.5MHz	Base/Control	75X	
Magic	1-3, 2-1	251.0 MHz	AWACS		
Ras Al Khaimah	1-4, 2-3	121.6 MHz	Divert Land		
ROE & NOTE:					
- Keep below 2000ft in route legs 2→3→4 to avoid detection!					
- Remember to order Trident1-2 to attac SAMs at WP4!					

Kneeboard (Supercarrier)

MISSION DATA					
Mission:	Strike at Tunb Island Harbor				
Date:	2020/Jun/21	Time:	19:30 PM (Local)		
Type:	Strike				
Package:	Trident1	Callsign:	Trident1-1		
TASK					
Primary:	Sunk the Yunes Submarine moored at Greather Tunb Island Harbor				
Secondary:	N/A				
TAKEOFF/LANDING					
	BASE	Rwy / BRC	TACAN	ILS/ICLS	Tower
T/O:	T. Roosevelt	336	75X	10X	127.5 MHz
Land:	T. Roosevelt	336	75X	10X	127.5 MHz
Divert:	Ras Al Khaimah	165			121.6 MHz
WAYPOINTS					
WP	Name	Alt	Note		
1	Departure	1000 ft			
2		2000 ft	Keep below 2000 ft!		
3		1500 ft	Keep below 2000 ft!		
4	Fence-In	1500 ft	Order Trident1-2 to split and do SEAD!		
5	IP	1500 ft			
6	Tgt	0 ft Elevation	Use Wp designate on HSI for CCRP attack		
7	Fence-Out	1500 ft			
8		3500 ft			
9	Land				
LOADOUT					
Station	Qty	Weapon	Note		
1&9	2	AIM-9X			
2&8	2	AGM-88C			
3&5	4	Mk-83			
7&4	2	AIM-120C			
5	1	330gal Fuel Tank			
RADIO & NAVAIDS					
Callsign	Ch.	Freq.	Task	TACAN	
Trident1	1-1, 2-4	150.0 MHz	Strike		
Neptune (base)	1-2, 2-2	127.5MHz	Base/Control	75X	
Magic	1-3, 2-1	251.0 MHz	AWACS		
Ras Al Khaimah	1-4, 2-3	121.6 MHz	Divert Land		
ROE & NOTE:					

- Keep below 2000ft in route legs 2→3→4 to avoid detection!
- Remember to order Trident1-2 to attack SAMs at WP4!

Change-log

V1.0 (2020/09/24):

- Initial version.