

FIR Air Weapon System(AWS) Integration Manual for maker

FIREWILL PRESENTS

AIR WEAPON SYSTEM

AIRCRAFT OPERATING SYSTEM FOR ARMA3



firewill

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1. introduction

FIR AWS, Air Weapon System is originally made for my First Aircraft, F-16C Fighting Falcon Standalone. but after release of F-16, also I made the F-14D, F-2A and F-15 Series, so Finally AWS is become Standalone Operating System for Aircrafts

Currently, AWS provide of Weapon, Ammo, FCS(Fire Control System), SEAD, Targeting System and many Various system.

this manual contains how to integration of FCS, latest I-TGT and SEAD/ECM.

i hope this manual is help for integration of AWS core system to Own your work.

2. how to integration of fcs to the other aircraft

FCS(Fire Control System) is one of Important point for AWS.

FCS is manage Bomb/Missile Sequence, like Cluster, Low-Drag, Bomb Crater Effect and GPS Guide System, etc for AWS Weapons.

its very easier to Integration. if you want add the FCS, just input below into Eventhandlers Class in your aircraft config.

```
class eventhandlers  
{  
    fired = "fcs = [_this] execVM  
""#FIR_AirWeaponSystem_US#Script#init#FCS.sqf"";";  
};
```

just Done! Your aircraft now have FCS.

3. how to integration of i-tgt to the other aircraft

I-TGT(Integration-Targeting system) is GUI based/Map-click and coordinates based targeting system. New I-TGT is just using only one MFD, and can switch LSR/GPS, finally support input the coordinates for targeting.

first, input below into Eventhandlers Class in your Aircraft Config.

```
class eventhandlers
{
    Init = "[_this select 0] execVM
    ""\your_aircraft\any_folder\init.sqf"";";
};
```

And, in init.sqf, input below

init.sqf

```
private ["_plane", "_pilot"];

_plane = _this select 0;
_pilot = driver _plane;
if (!local _plane) exitwith{};

_plane setVariable ["ITGT_VT", "no", true];
_plane setVariable ["TGT_POD", "yes", true];
_plane setVariable ["ITGT_GRIDTYPE", "8D", true];
_plane setVariable ["ITGT_C_DATA", []];

_plane setVariable ["ITGT_DATA_1", []];
_plane setVariable ["ITGT_DATA_2", []];
_plane setVariable ["ITGT_DATA_3", []];
_plane setVariable ["ITGT_DATA_4", []];
_plane setVariable ["ITGT_DATA_5", []];

_plane setVariable ["ITGT_NEW", "no"];
_plane setVariable ["ITGT_TYPE", "GPS", true];
_plane setVariable ["ITGT_LSR", "none"];

_plane setVariable ["ITGT_LSR_SET", "no"];
_plane setVariable ["ITGT_TGT_SET", "no"];

_plane setVariable ["ITGT_C_MARKER", "none"];
_plane setVariable ["ITGT_MARKER_1", "none"];
```

```

_plane setVariable ["ITGT_MARKER_2", "none"];
_plane setVariable ["ITGT_MARKER_3", "none"];
_plane setVariable ["ITGT_MARKER_4", "none"];
_plane setVariable ["ITGT_MARKER_5", "none"];

```

I-TGT system is now available, but just one thing is needed.

make some useractions for I-TGT.

```

class UserActions
{
    class Aircraft_MFD_Open_N
    {
        displayName = "Open I-TGT System";
        position = "pos cano";
        radius = 15;
        shortcut = "";
        condition = "this getvariable ""TGT_POD"" == ""yes"" and
player in this and isengineon this";
        statement = "this execVM
""\W\FIR_AirWeaponSystem_US\Script\TGTSys\W\FIR_AWS_MFD
_N_Open.sqf""";
        onlyforplayer = "false";
    };
};

```

aircraft will be have I-TGT.
other thing is automatically running by AWS.

4. how to integration of ecm/sead system to the other aircraft

ECM is increase the Survivability of Aircraft. currently, ECM can jamming the enemy missile. but some IR Missile is can't jamming. SEAD System is provide of Ability for Against the Enemy AA system. Current SEAD System can engage with Tigris AA Tank and Pook SAM Pack.

if you want Add ECM Ability, input below into Init.sqf.

```

_plane setVariable ["ECMJAMMER", "yes", true];

```

and also input below into UserActions Class

```

class ECM_ON
{
    displayName = "ECM JAMMER ON";
};

```

```
position = "pos cano";
radius = 15;
shortcut = "User4";
condition = "this getvariable ""ECMJAMMER"" == ""yes""";
statement = "[this] execVM
""\FIR_AirWeaponSystem_US\Script\ECM\ECM_ON.sqf"";";
onlyforplayer = "False";
};
```

Your Aircraft is now can use ECM system. also if aircraft have External ECM Jammer Pod(FIR_ECMPod_1rnd_M),will be have more time for ecm.

for SEAD, currenltly working some new features for SEAD so Direct-Fire modes only for current system. input below into Init.sqf

```
_plane setVariable ["SEAD_SET", "no", true];
```

about the how to fire the SEAD Missile, check the AWS Field Manual.