

## G C I v.4.3



GCI v.4.3 simulates a GCI where by taking an "image" from ground and naval radars it gives BRAA separately for each client/player and Coalition.

You can choose how many targets it will give you BRAA for, at what maximum distance, the refresh rate of the BRAA as well as the option to enable/disable the GCI, as in the image:



BRAA has the form of the image:



The ground and naval radars that will be able to take an "image" as well as the aircraft and helicopters that will "see" the radars, are already included in the code and you can update them from:

<https://github.com/mrSkortch/DCS-miscScripts/tree/master/ObjectDB>

Also, the real capabilities of hiding distance and height have been added to the naval radars, as well as for all the radars what coverage they have.

**The characteristics of ground and naval radars, as well as identifiable aircraft and helicopters, are at this point in the code passed:**

```
-- GCI v.4.3@ 2025© for LOCK-ON GREECE by =GR= Astr0
local GCI = {
    clients = {},
    addedMenus = {},
    activeCoalitions = {
        [coalition.side.BLUE] = true, -- Enable/disable for BLUE
        [coalition.side.RED] = true -- Enable/disable for RED
    },
    radarSpecs = { -- Radar nm, feet, degrees °
        -- Ground units
        ["SON_9"] = { range = 55, altitude = 40000, cover = 34 },
        ["FuMG-401"] = { range = 160, altitude = 40000, cover = 34 },
        ["FuSe-65"] = { range = 60, altitude = 30000, cover = 113 },
        ["Patriot str"] = { range = 160, altitude = 79200, cover = 103 },
        ["KDO_Mod40"] = { range = 30, altitude = 30000, cover = 360 },
        ["Allies_Director"] = { range = 30, altitude = 84480, cover = 360 },
        ["EWR 1L119 Nebo-SVU"] = { range = 400, altitude = 57024, cover = 360 },
        ["1L13 EWR"] = { range = 300, altitude = 79200, cover = 360 },
        ["55G6 EWR"] = { range = 400, altitude = 114000, cover = 360 },
        ["EWR 55G6U NEBO-U"] = { range = 500, altitude = 120000, cover = 360 },
        ["FPS-117"] = { range = 463, altitude = 120000, cover = 360 },
        ["FPS-117 Dome"] = { range = 400, altitude = 100000, cover = 360 },
        ["EWR Generic radar_tower"] = { range = 350, altitude = 80000, cover = 360 },
        ["EWR P-37 BAR LOCK"] = { range = 350, altitude = 80000, cover = 360 },
        ["HQ-7_LN_P"] = { range = 20, altitude = 18000, cover = 360 },
        ["HQ-7_STR_SP"] = { range = 30, altitude = 25000, cover = 360 },
        ["HQ-7_LN_SP"] = { range = 20, altitude = 18000, cover = 360 },
        ["HEMTT_C-RAM_Phalanx"] = { range = 10, altitude = 9000, cover = 360 },
        ["Dog Ear radar"] = { range = 35, altitude = 34000, cover = 360 },
        ["M48 Chaparral"] = { range = 9, altitude = 17000, cover = 360 },
        ["Hawk cwar"] = { range = 70, altitude = 60000, cover = 360 },
        ["Hawk sr"] = { range = 90, altitude = 60000, cover = 360 },
        ["M6 Linebacker"] = { range = 8, altitude = 15000, cover = 360 },
        ["Hawk tr"] = { range = 90, altitude = 60000, cover = 360 },
        ["NASAMS_Radar_MPQ64F1"] = { range = 120, altitude = 39000, cover = 360 },
        ["rapier_fsa_blindfire_radar"] = { range = 30, altitude = 9800, cover = 360 },
        ["rapier_fsa_launcher"] = { range = 8, altitude = 9800, cover = 360 },
        ["rapier_fsa_optical_tracker_unit"] = { range = 20, altitude = 9800, cover = 360 },
        ["Roland ADS"] = { range = 12, altitude = 18000, cover = 360 },
        ["Roland Radar"] = { range = 35, altitude = 18000, cover = 360 },
        ["S-300PS 64H6E sr"] = { range = 160, altitude = 88500, cover = 360 },
        ["S-300PS 40B6MD sr"] = { range = 60, altitude = 82000, cover = 360 },
        ["S-300PS 40B6M tr"] = { range = 160, altitude = 82000, cover = 360 },
        ["S-300PS 5H63C 30H6_tr"] = { range = 160, altitude = 88500, cover = 360 },
        ["S-300PS 40B6MD sr_19J6"] = { range = 150, altitude = 88500, cover = 360 },
        ["SA-11 Buk SR 9S18M1"] = { range = 140, altitude = 82000, cover = 360 },
        ["Strela-10M3"] = { range = 8, altitude = 11500, cover = 360 },
        ["Tor 9A331"] = { range = 25, altitude = 20000, cover = 360 },
        ["2S6 Tunguska"] = { range = 18, altitude = 11500, cover = 360 },
        ["SNR_75V"] = { range = 100, altitude = 82000, cover = 360 },
        ["RD_75"] = { range = 100, altitude = 98000, cover = 360 },
        ["p-19 s-125 sr"] = { range = 160, altitude = 46000, cover = 360 },
        ["snr s-125 tr"] = { range = 100, altitude = 59000, cover = 360 },
        ["RPC_5N62V"] = { range = 400, altitude = 114000, cover = 360 },
        ["RLS_19J6"] = { range = 150, altitude = 80000, cover = 360 },
        ["Kub 1S91 str"] = { range = 70, altitude = 46000, cover = 360 },
        ["Osa 9A33 ln"] = { range = 30, altitude = 16500, cover = 360 },
        ["Gepard"] = { range = 15, altitude = 10000, cover = 360 },
        -- Naval units
        ["BDK-775"] = { range = 25, altitude = 20000, cover = 360 },
        ["PIOTR"] = { range = 250, altitude = 98500, cover = 360 },
        ["ara_vdm"] = { range = 18, altitude = 27000, cover = 360 },
        ["KUZNECOW"] = { range = 300, altitude = 98500, cover = 360 },
        ["CV_1143_5"] = { range = 300, altitude = 98500, cover = 360 },
        ["Forrestal"] = { range = 460, altitude = 100000, cover = 360 },
        ["CVN_71"] = { range = 370, altitude = 100000, cover = 360 },
        ["CVN_72"] = { range = 370, altitude = 100000, cover = 360 },
        ["CVN_73"] = { range = 370, altitude = 100000, cover = 360 },
        ["CVN_74"] = { range = 370, altitude = 100000, cover = 360 },
        ["CVN_75"] = { range = 370, altitude = 100000, cover = 360 },
        ["Essex"] = { range = 19, altitude = 1000, cover = 360 },
        ["CastleClass_01"] = { range = 25, altitude = 20000, cover = 360 },
        ["ALBATROS"] = { range = 278, altitude = 60000, cover = 360 },
        ["MOLNIYA"] = { range = 127, altitude = 55000, cover = 360 },
        ["TICONDEROG"] = { range = 324, altitude = 80000, cover = 360 },
        ["MOSCOW"] = { range = 500, altitude = 82000, cover = 360 },
        ["USS_Arleigh_Burke_Ia"] = { range = 370, altitude = 110000, cover = 360 },
        ["Type_052B"] = { range = 250, altitude = 33000, cover = 360 },
        ["Type_052C"] = { range = 350, altitude = 93000, cover = 360 },
        ["La_Combattante_II"] = { range = 19, altitude = 40000, cover = 360 },
        ["leander-gun-condell"] = { range = 148, altitude = 60000, cover = 360 },
        ["leander-gun-lynch"] = { range = 180, altitude = 75000, cover = 360 },
        ["PERRY"] = { range = 460, altitude = 80000, cover = 360 },
        ["REZKY"] = { range = 200, altitude = 60000, cover = 360 },
        ["NEUSTRASH"] = { range = 300, altitude = 70000, cover = 360 },
        ["leander-gun-achilles"] = { range = 96, altitude = 35000, cover = 360 },
        ["leander-gun-andromeda"] = { range = 370, altitude = 45000, cover = 360 },
        ["leander-gun-ariadne"] = { range = 204, altitude = 65000, cover = 360 },
```

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    ["Type_054A"] = { range = 250, altitude = 70000, cover = 360 },
},
targetTypes = {
    -- Aerial units
    ["A-10A"] = true,
    ["A-10C_2"] = true,
    ["A-10C"] = true,
    ["A-20G"] = true,
    ["A-4E-C"] = true,
    ["A-50"] = true,
    ["AJS37"] = true,
    ["AV8BNA"] = true,
    ["An-26B"] = true,
    ["An-30M"] = true,
    ["B-17G"] = true,
    ["B-1B"] = true,
    ["B-52H"] = true,
    ["Bf-109K-4"] = true,
    ["C-101CC"] = true,
    ["C-101EB"] = true,
    ["C-130"] = true,
    ["C-17A"] = true,
    ["C-47"] = true,
    ["Christen Eagle II"] = true,
    ["E-2C"] = true,
    ["E-3A"] = true,
    ["F-117A"] = true,
    ["F-14A-135-GR"] = true,
    ["F-14B"] = true,
    ["F-15C"] = true,
    ["F-15E"] = true,
    ["F-15ESE"] = true,
    ["F-16A"] = true,
    ["F-16A MLU"] = true,
    ["F-16C bl.50"] = true,
    ["F-16C bl.52d"] = true,
    ["F-16C_50"] = true,
    ["F-4E-45MC"] = true,
    ["F-5E"] = true,
    ["F-5E-3"] = true,
    ["F-5E-3_FC"] = true,
    ["F-86F Sabre"] = true,
    ["F-86F_FC"] = true,
    ["F/A-18A"] = true,
    ["F/A-18C"] = true,
    ["F4U-1D"] = true,
    ["F4U-1D_CW"] = true,
    ["FW-190A8"] = true,
    ["FW-190D9"] = true,
    ["Falcon_Gyrocopter"] = true,
    ["H-6J"] = true,
    ["Hawk"] = true,
    ["Hercules"] = true,
    ["I-16"] = true,
    ["IL-76MD"] = true,
    ["IL-78M"] = true,
    ["J-11A"] = true,
    ["JF-17"] = true,
    ["Ju-88A4"] = true,
    ["KC-135"] = true,
    ["KC135MPRS"] = true,
    ["KC130"] = true,
    ["KC130J"] = true,
    ["KJ-2000"] = true,
    ["L-39C"] = true,
    ["L-39ZA"] = true,
    ["M-2000C"] = true,
    ["MB-339A"] = true,
    ["MQ-9 Reaper"] = true,
    ["MiG-15bis"] = true,
    ["MiG-15bis_FC"] = true,
    ["MiG-19P"] = true,
    ["MiG-21Bis"] = true,
    ["MiG-23MLD"] = true,
    ["MiG-25PD"] = true,
    ["MiG-25RBT"] = true,
    ["MiG-27K"] = true,
    ["MiG-29A"] = true,
    ["MiG-29G"] = true,
    ["MiG-29S"] = true,
    ["MiG-31"] = true,
    ["Mirage 2000-5"] = true,
    ["Mirage-F1AD"] = true,
    ["Mirage-F1AZ"] = true,
    ["Mirage-F1B"] = true,
    ["Mirage-F1BD"] = true,
    ["Mirage-F1BE"] = true,
    ["Mirage-F1BQ"] = true,
    ["Mirage-F1C"] = true,
    ["Mirage-F1C-200"] = true,
    ["Mirage-F1CE"] = true,
}

```

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        ["Mirage-F1CG"] = true,
        ["Mirage-F1CH"] = true,
        ["Mirage-F1CJ"] = true,
        ["Mirage-F1CK"] = true,
        ["Mirage-F1CR"] = true,
        ["Mirage-F1CT"] = true,
        ["Mirage-F1CZ"] = true,
        ["Mirage-F1DDA"] = true,
        ["Mirage-F1ED"] = true,
        ["Mirage-F1EDA"] = true,
        ["Mirage-F1EE"] = true,
        ["Mirage-F1EH"] = true,
        ["Mirage-F1EQ"] = true,
        ["Mirage-F1JA"] = true,
        ["Mirage-F1M-CE"] = true,
        ["Mirage-F1M-EE"] = true,
        ["MosquitoFBMKVI"] = true,
        ["P-47D-30"] = true,
        ["P-47D-30bl1"] = true,
        ["P-47D-40"] = true,
        ["P-51D"] = true,
        ["P-51D-30-NA"] = true,
        ["RQ-1A Predator"] = true,
        ["S-3B"] = true,
        ["S-3B Tanker"] = true,
        ["SpitfireLFMkIX"] = true,
        ["SpitfireLFMkIXCW"] = true,
        ["Su-17M4"] = true,
        ["Su-24M"] = true,
        ["Su-24MR"] = true,
        ["Su-25"] = true,
        ["Su-25T"] = true,
        ["Su-25TM"] = true,
        ["Su-27"] = true,
        ["Su-30"] = true,
        ["Su-33"] = true,
        ["Su-34"] = true,
        ["TF-51D"] = true,
        ["Tornado GR4"] = true,
        ["Tornado IDS"] = true,
        ["Tu-142"] = true,
        ["Tu-160"] = true,
        ["Tu-22M3"] = true,
        ["Tu-95MS"] = true,
        ["WingLoong-I"] = true,
        ["Yak-40"] = true,
        ["Yak-52"] = true,
        -- Rotary units
        ["AH-1W"] = true,
        ["AH-64A"] = true,
        ["AH-64D"] = true,
        ["AH-64D_BLK_IT"] = true,
        ["CH-47D"] = true,
        ["CH-47Fb1"] = true,
        ["CH-53E"] = true,
        ["Ka-27"] = true,
        ["Ka-50"] = true,
        ["Ka-50_3"] = true,
        ["Ka-52"] = true,
        ["Mi-24P"] = true,
        ["Mi-24V"] = true,
        ["Mi-26"] = true,
        ["Mi-28N"] = true,
        ["Mi-8MT"] = true,
        ["OH-58D"] = true,
        ["OH58D"] = true,
        ["SA342L"] = true,
        ["SA342M"] = true,
        ["SA342Minigun"] = true,
        ["SA342Mistral"] = true,
        ["SH-60B"] = true,
        ["UH-1H"] = true,
        ["UH-60A"] = true,
        ["UH-60L"] = true,
    }
}

```

#### **INSTALLATION:**

- You need to load MIST in version `mist_4_5_126.lua` and above.
- Load the GCI v.4.3. script in a Trigger.

See the images below:

**TRIGGERS**

TRIGGERS	CLONE	CONDITIONS	CLONE	ACTIONS	CLONE
4 MISSION START (Load MIST & Radio Menu GCI) 1 ONCE (Load GCI, NO EVENT)				DO SCRIPT FILE (mist_4_5_126.lua)	

**TRIGGERS**

TRIGGERS	CLONE	CONDITIONS	CLONE	ACTIONS	CLONE
4 MISSION START (Load MIST & Radio Menu GCI) 1 ONCE (Load GCI, NO EVENT)		TIME MORE (3)		DO SCRIPT (.. GCI v.4.3® 2)	

  

**NEW** **DELETE**

TYPE: 1 ONCE

NAME: Load GCI  
EVENT: NO EVENT

COLOR

R	< > 255	Color Swatches
G	< > 255	Color Swatches
B	< > 128	Color Swatches

INITIALIZATION SCRIPT

**NEW** **DELETE**

ACTION: DO SCRIPT

TEXT:

```
-- GCI v.4.3® 2025 © for LOCK-ON GREECE by =GR= Astro
local GCI = {
    clients = {},
    addedMenus = {},
    activeCoalitions = {}
    [coalition.side.BLUE] = true,
}
```

OPEN RESET CODE

## **WARNING:**

- **Use of GCI v.4.3.lua is at your own risk.**