

Enhanced Gamemaster Script

25.07.2021

Gamemaster_Functions v. 2.4

Gamemaster_Templates v. 2.1

Functions tested on DCS 2.7.3.8494

Templates up to date with DCS 2.7.1.7139

Requires MOOSE v. 2.7.4

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1. Loading the script into missions

In order to have access to the advanced gamemaster functions in your mission you must **first** load the "Moose.lua" included in the download. MOOSE is a framework for the DCS scipting engine that provides a whole bunch of functions that my script relies on quite heavily. It is being developed by a group of very devoted and talented people to whom I want to address my sincerest thanks! To learn more about MOOSE, head over to their <u>Discord</u>.

This script utilizes MOOSE version 2.7.4!

Once the "Moose.lua" has been loaded you can load the "Gamemaster_Functions.lua". This sets up the commands for ingame use.

To load the script files into your mission you can either use a trigger "MISSION START" or a "ONCE" trigger combined with a "TIME MORE" condition. In the actions tab select "DO SCRIPT FILE" and select the file to be loaded. The picture below shows how the trigger page should look.

The provided "Gamemaster_Templates.lua" can be loaded as well. This file sets up a whole lot of group templates that can be spawned with the "-s"-command (see 5.1). Loading the "Gamemaster_Templates.lua" is purely optional, the main script works just as fine without it. You must setup every spawnable group manually in your mission then, though.



The successful loading of the scripts will be shown by status messages in the top right corner of your screen.

Pic. 1: Trigger-setup for loading "Moose.lua", "Gamemaster_Functions.lua" and "Gamemaster_Templates.lua"

2. Configuration options in the script file

2.1 Gamemaster_Functions.lua

You can adjust some basic settings within the script. To do so you must open the "Gamemaster_Functions.lua" with a text editor (best use Notepad++). The config-section is located at the beginning of the file. The options are explained there in detail, which is why I'm only giving an overview over the adjustable settings here:

- Limit access to the gamemaster functions to a specified coalition
- Set a password that has to be entered before each command, for the commands to be recognized
- Change the symbol that the script uses to recognize commands and parameters in the marker text (Default symbol is a hyphen)
- Change the default skill with which all new groups are spawned ("-s"-command)
- Change the default country to which all newly spawned groups belong ("-s"-command)
- Turn EPLRS on or off for newly spawned groups ("-s"-command)
- Set default ROE for newly spawned groups ("-s"-command)
- Set a default sound and borders for messages sent with the "-text" command
- Multiple default settings for the draw commands

Changes to the config only apply once the script has again been loaded into the mission file. To do so you need to reselect the "Gamemaster_Functions.lua" in the actions tab of the trigger that loads the script at the beginning of the mission and save the mission afterwards.

2.2 Gamemaster_Templates.lua

The "Gamemaster_Templates.lua" file comes with its own configuration options at the top of the script file. By setting the entries for the different template tables to "true" or "false" you can control which templates get loaded into your mission when the script is executed. See section 6 of this document for an overview of the available template tables and the template groups contained within them.

Note that, depending on how many template tables you have selected, loading "Gamemaster_Templates.lua" may cause DCS to freeze for a time.

3. Sending commands

The script uses map markers as its input method. To send a command you need to create a new marker on the F10 map and enter your command and the required parameters into the marker text field. The command is then sent to the script by deleting the created marker.



Pic. 2: Steps required to send a command to the script: 1. Activate marker mode -> 2. Create marker by clicking on the map -> 3. Enter command and parameters as marker text -> 4. Delete marker to send the command

4. Formatting of commands

Commands always start with a hyphen or whatever you have specified in the config options of the script file, followed by the command string and the required parameters. All following examples assume that the default hyphen is set as command symbol.

A complete command should look something like this when entered into the marker text field:

-command string-parameter1-parameter2-parameter3-...-parameter6

Some commands require the entry of group names as a parameter, names containing the same symbol that is used to specify commands and parameters will not be recognized. Make sure that you avoid using your command symbol when naming groups that you want to spawn/control with the script later on.

The next section lists and explains all the commands that are provided by the script. To do so the following symbology is being used:

The command string is shown in red. It must always be entered, otherwise no action will be performed.

[Necessary parameters are shown in orange writing and square brackets. They must be specified or no action will be performed. Note that necessary parameters must always be entered in the order shown in this documentation!]

(Optional parameters are shown in blue writing and round brackets. They can be entered in any order, but always behind any necessary parameters. They are not required for the command to be performed.)

5. List of available commands

5.1 Spawn groups

Spawns a new group at the location of the map marker, requires a late activated group set up in the mission editor as a template. If "Gamemaster_Templates.lua" is loaded, all groups listed in section 6 can be spawned with this command.

Newly spawned planes/helos will orbit around the location of the marker while ground units and ships stay stationary. Ground units can't be spawned on water nor ships on land.

Groups can be spawned an infinite number of times. Note that the group names are modified by the script. Groups spawned with this method won't trigger any triggers directly linked to them in the mission editor.

Command structure: -s-[group name]-(altitude/heading/ground start)-(country)-(skill)-(ROE)-(loadable)-(spawn at original position)-(keep tasking)

Parameter	Explanation	Possible values
group name	the exact name of the group to	text
	spawn as specified in the mission	
	editor or in section 6	
altitude/heading/ground start	Planes/Helos: Altitude in meters	headings from 0 to 359
(optional)	above MSL, if left clear the group	altitude in m MSL
	will spawn at 1000 m AGL	ground
	Ground units: Heading in degrees	
	the group will be facing once	
	spawned, if left clear the group	
	will spawn with the heading it has	
	been set up with in the ME.	
	Diana ana ang kaong ka	
	Plane groups can be spawned on	
	instead of an altitude. They will	
	snown on the airbase closest to	
	the marker. Note that the planes	
	will snawn in an uncontrolled	
	state (no pilot)	
country (optional)	Country that the group will belong	RUSSIA
	to once spawned, only works if	UKRAINE
	the type of unit is available to the	USA
	specified country	TURKEY
		UK
	This parameter allows changing	FRANCE
	the coalition a group belongs to.	GERMANY
		AGGRESSORS
	If left unspecified the group will	CANADA
	belong to the default country that	SPAIN
	is specified in the config section of	THE_NETHERLANDS
	"Gamemaster_Functions.lua". If	BELGIUM
	that is unspecified as well, the	NORWAY
	country the group is set up with in	DENMARK
	the MIE will be used.	ISKAEL
		HALY

	ΔΙΙΣΤΡΑΙΙΑ
	SWITZERLAND
	AUSTRIA
	BELARUS
	BULGARIA
	CHEZH_REPUBLIC
	CHINA
	CROATIA
	FGYPT
	FINLAND
	GREECE
	HUNGARY
	INDIA
	IRAN
	IRAQ
	JAPAN
	KAZAKHSTAN
	NORTH KOREA
	PAKISTAN
	POLAND
	ROMANIA
	SERBIA
	SLOVAKIA
	SOUTH_KOREA
	SWEDEN
	SYRIA
	YEMEN
	VIETNAM
	VENEZUELA
	TUNISIA
	THAILAND
	PHILIPPINES
	MOROCCO
	MEXICO
	MALAYSIA
	LIBYA
	JORDAN
	INDONESIA
	HONDURAS
	ΕΤΗΙΟΡΙΑ
	CHILE
	BRAZII
	YUGOSLAVIA
	USSR
	ITALIAN_SOCIAL_REPUBLIC
	ALGERIA
	KUWAIT
	QATAR
	OMAN
	LINITED ARAR EMIRATES
	PURTUGAL

		GDR LEBANON CJTF_BLUE CJTF_RED UN_PEACEKEEPERS
skill (optional)	The group will spawn with the specified skill level. If left blank, the skill level specified in the config section of "Gamemaster_Functions.lua" will be used. If that too is left blank the skill level the group has been set up with in the ME will be used instead.	a = average g = good h = high e = excellent r = random
ROE (optional)	ROE the group will adhere to after spawn	free = weapons free return = return fire hold = hold fire
loadable (optional)	Groups spawned with this parameter can be loaded into planes and helos with the "- board" command (see 5.13). If CTLD is active, loadable groups can also be transported by units listed in ctld .transportPilotNames. If left blank the spawned group cannot be transported, it's impossible to change this after the	cargo
spawn at original position (optional)	group has already been spawned. If this parameter is set the group will not spawn at the marker location but at the location it has	ор
keep tasking (optional)	If this parameter is set the spawned group keeps the route and tasks it has been set up with in the ME. Useful for respawning tanker aircraft.	kt

5.2 Spawn statics

Spawns a new static at the location of the map marker, needs a static already placed in the mission as template. In a future release static templates will be added to "Gamemaster_Templates.lua" for more convenient spawning. For now, you must place all static types you want to have available for spawning somewhere in your mission.

Statics can be spawned an infinite number of times. Note that the names of the statics are modified by the script. Statics spawned with this method won't trigger any triggers directly linked to them in the mission editor.

Parameter	Explanation	Possible values
static name	The exact name of the static.	text
	Sadly the names of statics are not	
	shown when clicking them in the	
	F10 map. Instead, use the new	
	query function (see 5.7) to find	
	out the name of the static you	
	want to replicate.	
heading (optional)	Heading the static will face after	headings from 0 to 359
	spawn.	
country (optional)	Country that the static will belong	RUSSIA
	to once spawned, only works if	UKRAINE
	the type of static is available to	USA
	the specified country	TURKEY
		UK
	This parameter allows changing	FRANCE
	the coalition a static belongs to.	GERMANY
		AGGRESSORS
	If left unspecified the static will	CANADA
	belong to the default country that	SPAIN
	is specified in the config section of	THE_NETHERLANDS
	"Gamemaster_Functions.lua". If	BELGIUM
	that is unspecified as well, the	NORWAY
	country the static is set up with in	DENMARK
	the ME will be used.	ISRAEL
		GEORGIA
		INSURGENTS
		ABKHAZIA
		SOUTH_OSETIA
		ITALY
		AUSTRALIA
		SWITZERLAND
		AUSTRIA
		BELARUS
		BULGARIA
		CHEZH_REPUBLIC
		CHINA
		CROATIA
		EGYPT
		FINLAND
		GREECE
		HUNGARY
		INDIA

Command structure: -sta-[static name] -(heading)-(country)
--

	IRAN
	IRAQ
	JAPAN
	KAZAKHSTAN
	NORTH KOREA
	PAKISTAN
	POLAND
	POMANIA
	SOUTH_KOREA
	SWEDEN
	SYRIA
	YEMEN
	VIETNAM
	VENEZUELA
	TUNISIA
	THAILAND
	SUDAN
	PHILIPPINES
	MOROCCO
	MEXICO
	JORDAN
	INDONESIA
	HONDURAS
	ETHIOPIA
	CHILE
	BRAZIL
	BAHRAIN
	THIRDREICH
	YUGOSLAVIA
	USSR
	ITALIAN SOCIAL REPUBLIC
	ALGERIA
	ΟΛΤΑΡ
	SOUTH_AFRICA
	CUBA
	PORTUGAL
	GDR
	LEBANON
	CJTF BLUE
	CJTF RED
	UN PEACEKEEPERS

5.3 Spawn CTLD-Crates

Only works when CTLD is active in the mission. Allows you to spawn crates predefined in **ctld**.spawnableCrates. Different types of crates are called by the weight parameter.

Parameter	Explanation	Possible values
coalition	Coalition that the crate will belong	blue -> crate belongs to USA
	to.	red -> crate belongs to Russia
	Note: CTLD assumes that Russia is	
	always on the RED side and USA	
	always on the BLUE side. If your	
	coalitions are setup differently,	
	crates may spawn for the wrong	
	coalition.	
weight	Does not affect the simulated	number
	weight of the crate. Only	
	determines what type of crate will	
	be spawned. For now you need to	
	look up the different weights and	
	their corresponding crates directly	
	in the CTLD script	
	(ctld.spawnableCrates).	
	In a future release I will provide a	
	better method of selection.	

Command structure: -ctldcr-[coalition] -[weight]

5.4 Spawn CTLD-Infantry

Only works when CTLD is active in the mission. Allows you to spawn infantry groups of varying sizes that can be loaded into helicopters through options CTLD adds to the radio menu. The composition of those groups is dependent on how CTLD is configured.

Parameter	Explanation	Possible values
coalition	Coalition that the group will	blue -> group belongs to USA
	belong to.	red -> group belongs to Russia
	Note: CTLD assumes that Russia is	
	always on the RED side and USA	
	always on the BLUE side. If your	
	coalitions are setup differently,	
	groups may spawn for the wrong	
	coalition.	
quantity	Determines how many soldiers	number
	the infantry group is comprised of.	
	CTLD offers configuration options	
	in the script file that further	
	determine the composition of	
	spawned groups.	
search radius	Radius from the marker position	number
	inside of which the spawned	
	group will move randomly and	
	engage any enemies it finds.	

Command structure: -ctldgr-[coalition] -[quantity]-[search radius]

5.5 Activate groups

Activates a group that has been set up as late activated in the mission editor. The group name is not changed when "spawning" the group with this method. This means that the group will trigger all triggers that are tied to it directly. The downside is that each group can only be activated once.

Command structure: -act-[group name]

Parameter	Explanation	Possible values
group name	Exact name of the group that is to	text
	be activated	

5.6 Delete groups/units/objects

Deletes all units and static objects in a defined radius around the map marker. Alternatively you can also specify a group to be deleted. The radius method won't affect FARPS (the static object itself) and planes/helos that are controlled by players.

Command structure: -del-(group name)-(radius in m)

Parameter	Explanation	Possible values
group name (optional)	Exact name of the group to be	text
	deleted. Note: this will delete ALL	
	units in the group.	
radius (optional)	Radius (m) around the map	numbers, 1-infinite
	marker. Everything inside will be	large radii eat into system
	deleted. Doesn't discriminate	performance
	between coalitions.	
	Will be set to 100 m if left blank.	

Example: -del-1000

Deletes everything within 1 km of the map marker.

5.7 Show name of nearest group/unit

Returns the unit name and, if possible, the group name of the object closest to the map marker. Output is returned as a new map marker that has the query results written into its description. From there it can be selected and copied.

Mainly introduced as a workaround to determine the name of statics ingame. Needed because the names of statics are not shown when clicking them in the F10 map. It works on all types of objects though, not only statics.

Command structure: -?-(radius in m)

Parameter	Explanation	Possible values
radius (optional)	Radius (m) around the map	numbers, 1-infinite
	marker that is searched for	large radii eat into system
	objects.	performance
	Defaults to 500 m if left blank.	

Example: -?-1000

Looks for objects in a radius of 1000 m around the map marker and returns the name of the first object it finds.

5.8 Assign waypoints for ships/ground units

Makes the AI move to the position of the map marker. Movement speed and a formation can be specified. Ground units can be ordered to stick to roads only.

Parameter	Explanation	Possible values
group name	Exact name of the group that is	text
	meant to move to the map marker	
speed (optional)	Speed (kph) at which the group	number
	moves to the waypoint	
	Defaults to 20 kph if left blank	
Formation (optional)	formation that the group will hold	v = vee
	on the way to the waypoint	c = cone
		d = diamond
		r = rank
		el = echelon left
		er = echelon right
road use (optional)	If this parameter is set, the group	road
	will use roads to drive to the	
	waypoint (as far as this is possible)	
	If left blank the group will drive to	
	the waypoint in a straight line	

Command structure: -wp-[group name]-(speed)-(formation)-(road use)

Example: -wp-T90_1-50-road

Orders the group "T90_1" to drive to the marker position with a speed of 50 kph and to use roads as much as possible.

5.9 Assign orbits for planes and helicopters

The specified group will move to and then fly an orbit above the position of the map marker. You must specify a speed and an altitude for the group. Optionally you can also let the AI fly a racetrack pattern between its current location and the position of the map marker.

Command structure: -orbit-[group name]-[altitude]-[speed]-(racetrack)

Parameter	Explanation	Possible values
group name	Exact name of the group that is meant to perform the orbit	text
altitude	Altitude at which the orbit is to be flown in m above MSL	number
speed	Groundspeed that is to be held while in orbit/racetrack	number
racetrack (optional)	If this parameter is set the group will fly a racetrack pattern between its current position and the position of the map marker.	r

Example 1: -orbit-AH64_1-500-90-r

Orders the group "AH64_1" to fly a racetrack pattern at 500 ft MSL with a speed of 90 kn $\,$

Example 2: -orbit-SU33_6-25000-450

Orders the group "SU33_6" to orbit above the map marker at an altitude of 25000 ft AGL and a speed of 450 kn

5.10 Assign escorts to planes and helicopters

Orders a group of aircraft to escort and protect another group of aircraft.

Command structure: -esc-[group name of the escort]-[name of the group to be escorted]-(engage distance)-(position front/back)-(position left/right)-(position above/under)

Parameter	Explanation	Possible values
group name of the escort	Exact name of the group that will	text
	provide the escort	
name of the group to be escorted	Exact name of the group that will	text
	be guarded by the escort	
engage distance	Distance in nm from the protected	numbers, 1-infinite
	group at which the escort will	
	start to engage approaching	
	enemy planes. Defaults to 45 nm.	
position front/back	Position that the escorting group	f for front, b for behind, followed
	will take in front or behind the	by distance in m
	escorted group	i.e.: b50 -> escorting group will
		stay 50 m behind the escorted
		group
position left/right	Position that the escorting group	I for left, r for right, followed by
	will take left or right of escorted	distance in m
	group	i.e.: I200 -> escorting group will fly
		200 m left of the escorted group
position above/under	Position that the escorting group	a for above, u for under, followed
	will take left or right of escorted	by distance in m
	group	i.e.: u200 -> escorting group will
		fly 200 m under the escorted
		group

Example: -esc-Cap_F15_1-B52#1-60-b200-r200

Group "CAP_F15_1" is ordered to protect group "B52#1" and to engage all enemy aircraft that approach to within 60 nm. The F-15s will take a position 200 m right and 200 m behind the B-52s (4 o'clock).

5.11 Order planes and helicopters to follow another aircraft

Orders a group of aircraft to follow another group of aircraft.

Command structure: -fol-[group that leads]-[group that follows]-(position front/back)-(position left/right)-(position above/under)

Parameter	Explanation	Possible values
group that leads	Exact name of the group that will	text
	lead	
group that follows	Exact name of the group that will	text
	follow	
position front/back	Position that the following group	f for front, b for behind, followed
	will take in front or behind the	by distance in m
	leading group	i.e.: b50 -> following group will
		stay 50 m behind leader
position left/right	Position that the following group	I for left, r for right, followed by
	will take left or right of leading	distance in m
	group	i.e.: I200 -> following group will fly
		200 m left of leader
position above/under	Position that the following group	a for above, u for under, followed
	will take left or right of leading	by distance in m
	group	i.e.: u200 -> following group will
		fly 200 m under the leader

Example: -fol-SA342M-UH60-b500

Group "UH60" is ordered to follow group "SA342". The UH-60 will take position 200 m behind the SA342.

5.12 Make planes land at specific airbases

Orders a group of airplanes to land at the airbase closest to the map marker.

Note: This command makes use of the MOOSE function GROUP:RouteRTB(), all affected groups will respawn before going RTB. If a group has lost planes to enemy fire, these will respawn as well. I tried and failed at writing my own function for making planes land where I want them to, so you will just have to accept this quirk for now...

Command structure: -rtb-[group name]-(speed)

Parameter	Explanation	Possible values
group name	Exact name of the group that is ordered to land	text
speed (optional)	Ground speed (kn) at which the plane(s) will fly until turning final. If left blank the plane(s) will continue at their current speed	number

Example: -rtb-F16_1-400

The group named "F16_1" is ordered to go RTB to the airbase closest to the map marker and to fly there at a groundspeed of 400 kn.

5.13 Make helicopters land at a map marker

Orders a helicopter to land at the marked location on the map and to stay there for a specified amount of time. After said time has passed, the helicopter will resume its flight.

Parameter	Explanation	Possible Values
group name	Name of the helicopter group that	text
	will perform the landing	
stay duration	Amount of time the helicopter will	number (seconds)
	remain on the ground in seconds.	
	If left blank the helicopter will	
	resume its flight after 120 s.	

Command structure: -Iz-[group name]-(stay duration)

Example: -lz-HueyTransport-30

Orders the group "HueyTransport" to land at the map and to remain on the ground there for 30 seconds.

5.14 Load groups as cargo

Orders a group to enter a plane/helicopter/vehicle as cargo. Can only be performed with groups that have been specified as cargo on spawn (see 5.1). It is possible to set up groups as cargo directly in the mission editor as well, for that check out the <u>documentation</u> on the MOOSE Cargo Module (Section 5.2 of it tells what you need to do).

Command structure: -board-[group that is ordered to board]-[group that will perform the transport]

Parameter	Explanation	Possible values
group that is ordered to board	Exact name of the group	text
group that will perform the	Exact name of the group	text
transport		

Example: -board-InfSQD1-HueyTransport

Orders the group "InfSQD1" to enter the helicopters of the group "HueyTransport".

5.15 Unload groups

Orders a goup that has been loaded into a plane/helicopter/vehicle to exit the carrier. Can only be performed if the carrier is stationary.

At this time the script doesn't offer any way to check which groups are loaded into which carriers. You have to keep track yourself.

After unboarding from the carrier the groups will automatically move to the location of the map marker that was used to issue the "-unboard" command.

Command structure: -unboard-[group name]

Erläuterungen zu den Parametern:

Parameter	Explanation	Akzeptierte Werte/
group name	Exact name of the group that is ordered to unboard from its carrier.	text

Example: -unboard-InfSQD1

Orders the group "InfSQD1" to unboard from the carrier into which it has been loaded.

5.16 Toggle immortality for groups

Turns immortality on or off for all units of a specified group.

Command structure: -imm-[goup name]-[status]

Parameter	Explanation	Possible values
group name	Exact name of the group to be	Text
	affected by the command	
status	Specify here whether immortality	on
	is to be switched on or off	off

Example: -imm-Tunguska-on

Turns the group "Tunguska" immortal.

5.17 Toggle invisibility for groups

Turns invisibility on or off for all units of a specified group. Note: Invisible units are only undetectable to the AI, they are still being rendered and can still be seen by human players!

Command structure: -inv-[group name]-[status]

Parameter	Explanation	Possible values
group name	Exact name of the group that will be affected by the command	text
status	Specify here whether invisibility is to be switched on or off	on off

Example: -inv-Tunguska-on

Turns the group "Tunguska" invisible.

5.18 Activate uncontrolled aircraft groups

This command allows you to switch the state of airplanes and helicopters from uncontrolled to controlled. Also works for aircraft that have been spawned on a parking spot with the "-s" command and the "-ground" parameter.

Note that this command doesn't work as a toggle. Once they have been switched to the controlled state, the groups will remain in that state.

Command structure: -ctrlon-[group name]

Parameter	Explanation	Possible values
group name	Exact name of the group that is	text
	supposed to be switched "on"	

Example: -ctrlon-A10_1

The group "A10_1" will switch its state to controlled.

5.19 Toggle AI on/off

Toggles the AI on and off for groups. Only works with ships and ground units.

Groups with deactivated AI continue to exist in the game world, but they won't perform any actions or react to enemy detection/fire.

Command structure: -ai-[group name]-[status]

Parameter	Explanation	Possible Values
group name	Exact name of the group whose AI will be switched on/off.	text
status	Specify here wether the AI is to be switched on or off	on off

Example: -ai-SA15_3-off

Deactivates the AI of the group "SA15_3".

5.20 Shoot flares at marker

This command allows you to deploy a specified amount of coloured flares at the map marker.

Command structure: -flare-[colour]-(direction)-(amount)

Parameter	Explanation	Possible Values
colour	Flare colour	g = Green
		r = Red
		w = White
		y = Yellow
direction (optional)	Direction into which the flare will	ne
	be shot, defaults to North	е
		se
		S
		SW
		w
		nw
amount (optional)	Amount of flares that will be shot.	2-infinity
	Interval between shots is 1	
	second. Only specify when more	
	than one flare is to be shot.	

Example: -flare-g-s-10

Shoots 10 green flares to the south of the map marker.

5.21 Place coloured smoke at marker

Places coloured smoke at the location of the map marker. You can specify an amount of time that the smoke stays active.

Command: -smoke-[colour]-(duration)

Parameter	Erläuterung	Akzeptierte Werte/
colour	Colour of the smoke	b = Blue
		g = Green
		r = Red
		w = White
		o = Orange
duration (optional)	Duration for which the smoke	number
	stays active, default is five	
	minutes.	
	Each smoke event in DCS stays	
	active for 5 minutes and can't be	
	stopped prematurely. Because of	
	that input is automatically	
	rounded to the nearest multiple of	
	5.	

Example: -smoke-o-23

Places orange smoke at the location of the map marker. The smoke will stay active for 25 minutes, because 25 is the nearest multiple of 5 from 23.

5.22 Spawn battlefield illumination at marker

Spawns an illumination round at a specified height above the map marker, that will slowly sink to the ground and provide illumination while underway.

Command structure: -illum-(altitude)-(illumination strength)

Parameter	Explanation	Possible Values
altitude (optional)	Altitude in m AGL at which the round will spawn. Defaults to 650	number, 1-infinity
	m.	
illumination strength (optional)	Power of the illumination in candela (cd). Defaults to 10000 cd.	number, 1-1000000

Example: -illum-1000-20000

Spawns an illumination round 1000 m above the map marker which will shine at 20000 cd.

5.23 Place smoke and fire effects at marker

Places smoke and fire effects at the map marker. Note: These effects do not disappear with time and can't be removed by command either. They will stay active as long as the mission runs.

Command structure: -sf-[effect type]-[intensity]

Parameter	Explanation	Possible values
effect type	Specify one of eight different	ssf = Smoke + Fire, small
	preset effect types.	msf = Smoke + Fire, medium
		lsf = Smoke + Fire, large
		hsf = Smoke + Fire, huge
		ss = Smoke, small
		ms = Smoke, medium
		ls = Smoke, large
		hs = Smoke, huge
intensity	Percentage value, determines the	1-100
	height of the smoke plume.	

Example: -sf-ms-45

Deploys a medium sized smoke effect with a smoke plume height percentage of 45 %.

5.24 Trigger an explosion at marker/group

Triggers a bomb detonation at the location of the map marker that will damage or destroy nearby units and statics. The area of effect is dependent on the specified yield.

You can also specify a group name. **All** units within that group will be detonated.

Command structure: -exp-(group name)-(yield)-(delay)

Erläuterungen zu den Parametern:

Parameter	Explanation	Possible values
group name (optional)	Exact name of the goup whose units shall die a fiery death. Also works on groups that are controlled by players If left blank the detonation will occur at the location of the map	text
yield (optional)	Strength of the explosion in kg TNT. Defaults to 100 kg TNT.	number, 1-infinity? Have fun! 🙂
delay (optional)	A delay in seconds before the explosion is triggered	d + number Exp.: "d5" for a delay of 5s

Example: -exp-30000-d5

Will trigger an explosion with a yield equivalent to 30 tons of TNT at the map marker. The explosion will happen five seconds after the command is sent.

5.25 Play sound files

Plays a sound file to various recipients.

Note: This command only can be used with files that have already been loaded into the mission. The easiest way to load a sound file into your mission is to create a trigger that is activated at mission start and that executes one of the "SOUND TO" actions with the sound file you want to have available for use with this command.

Command structure: -sound-[file name]-(recipient)

Parameter	Explanation	Possible values
file name	Exact name of the sound file to be	text
	played, including the file ending!	
recipient (optional)	Group or coalition that the sound	text (group name)
	shall be played to exclusively.	b = blue coalition
		r = red coalition
	If left blank the sound will be	
	played to all players on the server.	

Example: -sound-Intro.ogg-b

Plays the sound file "Intro.ogg" to the blue coalition.

5.26 Set flag values

Sets the value of a specified flag. This enables you to trigger actions that you have set up in the mission editor or to fix stuck triggers.

Parameter	Explanation	Possible Values
flag number	Number of the flag that will be	1-999
	affected by the command	
flag value	Value the flag will be set to. Can	1-999
	be a number or a Boolean.	true = "FLAG ON"
		false = "FLAG OFF"

Command structure: -flag-[flag number]-[flag value]

Example: -flag-10-true

Sets the value of flag 10 to true (FLAG ON).

5.27 Display a message

Shows a text message in the top left corner of the screen. You can specify the recipients for who the text will be displayed and the amount of time for which the message remains visible. You can also specify if previous messages that are still on display will be deleted once a new message is sent.

The config section of "Gamemaster_Functions.lua" allows you to specify a sound file that will be played every time a message is sent (see Section 2).

Parameter	Explanation	Possible values
message	Here you can enter the text of the	text
	message that is to be shown.	
	Must not contain any hyphens!	
recipient (optional)	Group or coalition the message	text (group name)
	will be displayed to.	b = blue coalition
		r = red coalition
	If left blank the message will be	
	shown to all players on the server.	
display time (optional)	Time (in seconds) the message will	number, 1-infinite
	remain on screen. Defaults to the	
	value set in	
	GMFunc.MsgDispTime if omitted	
clear screen (optional)	If this parameter is set all previous	c
	messages that might still be on	
	screen will be deleted and only	
	the new message is shown.	
	Note: Does not work for messages	
	that are sent to coalitions (DCS	
	Bug).	

Command structure: -text-[message]-(recipient)-(display time)-(clear screen)

Example: -text-Hello World-TransportHeli1-30-c

Sends the message "Hello World" to the group "TransportHeli1" and removes all older messages. The message will be shown for 30 seconds.

5.28 Return coordinates of map marker

Returns the coordinates of the map marker used to send the command. The coordinates are returned as text in a new map marker (allows copy-paste) that gets created at the same spot where the command marker was placed. Coordinates are returned in the following formats: Lat Long, Lat Long with decimal minutes, Lat Long Precise, MGRS.

Command structure: -coord

No parameters required.

5.29 Call external functions

Allows you to call an external Lua function and give it up to five arguments. Intended to be used to call custom functions set up in another script file, but can also call functions from the DCS scripting engine. The coordinate of the command marker get passed as an additional 7th argument to any function called by the command. Alternatively, the marker coordinates can also be passed as any argument by entering "mcoord" as a parameter. E.g.: -func-someFunction-someArg-anotherArg-mcoord => marker coordinate gets passed as the third argument to "someFunction".

Command structure: -func-[function]-(1 st argument)-(2 nd argument)-(3 rd argument)-(4 th argument)-(5 th	
argument))-(6 th argument)	

Parameter	Explanation	Possible values
function	Name of the function to be called. Fields in a global function table get accepted down to the second level of subtables. I.e.: trigger.action.outText → callable!	text
	someTable.firstSubtable. secondSubtable.thirdSubtable →not callable!	
1 st argument	1 st argument that will get passed to the called function.	anything
2 nd argument	2 nd argument that will get passed to the called function.	anything
3 rd argument	3 rd argument that will get passed to the called function.	anything
4 th argument	4 th argument that will get passed to the called function.	anything
5 th argument	5 th argument that will get passed to the called function.	anything
6 th argument	6 th argument that will get passed to the called function.	anything

5.30 Draw markings on the F10 map

5.30.1 Textboxes

Draws a textbox, with its the top left corner defined by the marker position.

Command structure: -drawtext-[text]-(coalition)-(font size)-(text color)-(background color)-(text transparency)-(background transparency)

Parameter	Explanation	Possible values
text	Text to be displayed in the textbox	text

coalition	Coalition to whom the textbox is	red
	visible, defaults to all when left	blue
	unspecified	neutral
font size	Letter size used to display the	t+Number
	text. Defaults to 14, default value	Exp.: "t17" = font size 17
	can be adjusted in the config	
	section of the script file	
text color	Color of the text in the textbox	r = red
		b = blue
	The RGB values for both the	g = green
	custom and predefined colors can	bl = black
	be adjusted in the config section	w = white
	of the script file.	y = yellow
		o = orange
	If the color is not specified, the	p = purple
	default color defined in the config	c1 = custom color 1
	section of the script file is used	c2 = custom color 2
	instead.	c3 = custom color 3
background color	Background color of the textbox	fr = red
		fb = blue
	Note the added "f"! f = filler	fg = green
		fbl = black
	The RGB values for both the	fw = white
	custom and predefined colors can	fy = yellow
	be adjusted in the config section	fo = orange
	of the script file.	fp = purple
		fc1 = custom color 1
	If the color is not specified, the	fc2 = custom color 2
	default color defined in the config	fc3 = custom color 3
	section of the script file is used	
	instead.	
text transparency	Transparency setting for the text	numbers between 0 and 1
	in the textbox	
		1 = fully opaque
		0 = invisible
background transparency	Transparency setting for the	f+numbers between 0 and 1
	background of the textbox	
		1 = fully opaque
	Note the added "f"! f = filler	0 = invisible
		Example: -f0.5

Example: -drawtext-Hello World-red-t20-bl-fp-1-f0.5

Creates a textbox saying "Hello World" with 20p black text over a semi-transparent purple background. Textbox is only visible to the red coalition.

5.30.2 Lines

Draws a line on the F10 map. Requires a second marker labeled "end" to be present on the map. The line is then drawn from the marker used to issue the command to the end marker. Optionally you can place more markers labelled "c1", "c2", "c3" ...etc. The line will then be drawn from the command marker, to c1, and from there to c2, and so on, until the end marker has been reached. You can place an unlimited amount of corner markers.

Command structure: -drawline-(coalition)-(color)-(transparency)-(line type)-(label text)

Parameter	Explanation	Possible values
coalition	Coalition to whom the line is	red
	visible, defaults to all when left	blue
	unspecified	neutral
color	color of the line	r = red
		b = blue
	The RGB values for both the	g = green
	custom and predefined colors can	bl = black
	be adjusted in the config section	w = white
	of the script file.	y = yellow
		o = orange
	If the color is not specified, the	p = purple
	default color defined in the config	c1 = custom color 1
	section of the script file is used	c2 = custom color 2
	instead.	c3 = custom color 3
transparency	Transparency setting for the line	numbers between 0 and 1
		1 = fully opaque
		0 = invisible
line type		s = solid
		d = dash
		ld = long dash
		2d = double dash
		dd = dot dash
		dot = well, take a guess
label text	Creates a textfield adjacent to the	shorthand position params:
	line, the relative position must be	ctn = center, offset north (halfway
	specified by shorthand	along a direct line between the
	parameters. The text entered	command marker and the end
	after these gets displayed in the	marker)
	text field. Text color and	cts = center, offset south
	transparency for the textfield are	cte = center, offset east
	the same as specified for the line	ctw = center, offset west
	itself. Text size can be changed in	
	the config section.	end = at the end of the line
		beg = at the start of the line
	The offsets used by the position	
	shorthands can be adjusted in the	The script expects a space to be
	config section as well.	left between the shorthand
		parameters and the label text,
		e.g.: -ctn Hello World!

Example: -drawline-neutral-y-1-s-end Phase Line SIERRA

Draws a solid yellow line, labelled "Phase Line SIERRA". The label will be displayed at the end point of the line. The line is only visible to players of the neutral coalition.

5.30.3 Arrows

Draws an arrow on the F10 map. Requires a second marker labeled "end" to be present on the map. The arrow is then drawn from the marker used to issue the command to the end marker. Optionally you can place more markers labelled "c1", "c2", "c3" ...etc. Arrows will then be drawn from the command marker, to c1, and from there to c2, and so on, until the end marker has been reached. You can place an unlimited amount of corner markers.

Command structure: -drawarrow-(coalition)-(color)-(fill color)-(transparency)-(fill transparency)-(line type)-(label text)

Parameter	Explanation	Possible values
coalition	Coalition to whom the arrow is	red
	visible, defaults to all when left	blue
	unspecified	neutral
color	color of the arrow outline	r = red
		b = blue
	The RGB values for both the	g = green
	custom and predefined colors can	bl = black
	be adjusted in the config section	w = white
	of the script file.	y = yellow
		o = orange
	If the color is not specified, the	p = purple
	default color defined in the config	c1 = custom color 1
	section of the script file is used	c2 = custom color 2
	instead.	c3 = custom color 3
fill color	Fill color the arrow shape	fr = red
		fb = blue
	Note the added "f"! f = filler	fg = green
		fbl = black
	The RGB values for both the	fw = white
	custom and predefined colors can	fy = yellow
	be adjusted in the config section	fo = orange
	of the script file.	fp = purple
	·	fc1 = custom color 1
	If the color is not specified, the	fc2 = custom color 2
	default color defined in the config	fc3 = custom color 3
	section of the script file is used	
	instead.	
transparency	Transparency setting for the	numbers between 0 and 1
	outline of the arrow	
		1 = fully opaque
		0 = invisible
fill transparency	Transparency setting for the inside	f+numbers between 0 and 1
	area of the arrow	
		1 = fully opaque
	Note the added "f"! f = filler	0 = invisible
		Example: -f0.5
line type	Determines the kind of line that	n = none (no visible outline)
	will be used to outline the arrow	s = solid
		d = dash
		ld = long dash
		2d = double dash
		dd = dot dash
		dot = well, take a guess
label text	Creates a textfield adjacent to the	shorthand position params:
	arrow, the relative position must	ctn = center, offset north (halfway
	be specified by shorthand	along a direct line between the
	parameters. The text entered	command marker and the end
	after these gets displayed in the	marker)
	text field. Text color and	cts = center, offset south
	transparency for the textfield are	cte = center, offset east
	the same as specified for the line	ctw = center, offset west
	itself. Text size can be changed in	
	the config section.	end = at the end of the arrow
		beg = at the start of the arrow

The offsets used by the position	The script expects a space to be
shorthands can be adjusted in the	left between the shorthand
config section as well.	parameters and the label text,
	e.g.: -ctn Hello World!

Example: -drawarrow-r-1-f0-d-beg INGRESS

Draws a red hollow arrow with a dashed outline, labelled "INGRESS". The label will be displayed at the beginning of the arrow. The arrow will be visible to players from all coalitions.

5.30.4 Circles

Draws a circle, using the command marker as the center point. The radius of the circle has to be defined with a second marker labelled "rad".

Command structure: -drawcircle-(coalition)-(color)-(fill color)-(transparency)-(fill transparency)-(line type)-(label text)

Parameter	Explanation	Possible values
coalition	Coalition to whom the circle is	red
	visible, defaults to all when left	blue
	unspecified	neutral
color	Color of the circle's outline	r = red
		b = blue
	The RGB values for both the	g = green
	custom and predefined colors can	bl = black
	be adjusted in the config section	w = white
	of the script file.	y = yellow
		o = orange
	If the color is not specified, the	p = purple
	default color defined in the config	c1 = custom color 1
	section of the script file is used	c2 = custom color 2
	instead.	c3 = custom color 3
fill color	Fill color the circle	fr = red
		fb = blue
	Note the added "f"! f = filler	fg = green
		fbl = black
	The RGB values for both the	fw = white
	custom and predefined colors can	fy = yellow
	be adjusted in the config section	fo = orange
	of the script file.	fp = purple
		fc1 = custom color 1
	If the color is not specified, the	fc2 = custom color 2
	default color defined in the config	fc3 = custom color 3
	section of the script file is used	
	instead.	
transparency	Transparency setting for the	numbers between 0 and 1
	outline of the circle	
		1 = fully opaque
		0 = invisible
fill transparency	Transparency setting for the inside	f+numbers between 0 and 1
	area of the circle	
		1 = fully opaque
	Note the added "f"! f = filler	0 = invisible
		Example: -f0.5

line type	Determines the kind of line that will be used to outline the circle	n = none (no visible outline) s = solid d = dash ld = long dash 2d = double dash dd = dot dash dot = well, take a guess
label text	Creates a textfield in the center of the circle. It's possible to define position offsets in the config section of the script file.	t + text The script expects a space to be left between the t and the label text, e.g.: -t Hello World!
	Text color and transparency for the textfield are the same as specified for the circle's outline. Text size can be changed in the config section.	

Example: -drawcircle-blue-r-fr-1-f0.5-s-t 5 Mile Exclusion Zone

Draws a circle with a solid outline and a semi-transparent red filling, labelled "5 Mile Exclusion Zone". The circle is only visible to players of the blue coalition.

5.30.5 Rectangles

Draws a rectangle, using the command marker as the top left corner. The opposite corner of the rectangle has to be defined with a second marker labelled "c".

Command structure: -drawrect-(coalition)-(color)-(fill color)-(transparency)-(fill transparency)-(line type)-(label text)

Parameter	Explanation	Possible values
coalition	Coalition to whom the rectangle is	red
	visible, defaults to all when left	blue
	unspecified	neutral
color	Color of the rectangle's outline	r = red
		b = blue
	The RGB values for both the	g = green
	custom and predefined colors can	bl = black
	be adjusted in the config section	w = white
	of the script file.	y = yellow
		o = orange
	If the color is not specified, the	p = purple
	default color defined in the config	c1 = custom color 1
	section of the script file is used	c2 = custom color 2
	instead.	c3 = custom color 3
fill color	Fill color of the rectangle	fr = red
		fb = blue
	Note the added "f"! f = filler	fg = green
		fbl = black
	The RGB values for both the	fw = white
	custom and predefined colors can	fy = yellow
	be adjusted in the config section	fo = orange
	of the script file.	fp = purple
		fc1 = custom color 1
	If the color is not specified, the	fc2 = custom color 2
	default color defined in the config	fc3 = custom color 3

	section of the script file is used	
	instead.	
transparency	Transparency setting for the	numbers between 0 and 1
	outline of the rectangle	1 = fully opaque
		0 = invisible
fill transparency	Transparency setting for the inside area of the rectangle	f+numbers between 0 and 1
		1 = fully opaque
	Note the added "f"! f = filler	0 = invisible
		Example: -f0.5
line type	Determines what kind of line will	n = none (no visible outline)
	be used to outline the rectangle	s = solid
	_	d = dash
		ld = long dash
		2d = double dash
		dd = dot dash
		dot = well_take a guess
label text	Creates a textfield in the center of	t + text
	the rectangle It's possible to	
	define position effects in the	The script expects a space to be
	config costion of the corint file	left between the t and the label
	comig section of the script file.	
		text, e.g.: -t Hello world!
	Text color and transparency for	
	the textfield are the same as	
	specified for the rectangle's	
	outline. Text size can be changed	
	in the config section.	

Example: -drawrect-g-fg-1-f0.5-s-t Holding Area

Draws a rectangle with a solid green outline and a semi-transparent green filling, labelled "Holding Area". The circle is visible to players from all coalitions.

5.30.6 Polygons

Draws polygons with 3-11 corners. The command marker is always the first corner, further corners have to be defined by markers labelled "c1" to "c10".

Command structure: -drawpoly-(coalition)-(color)-(fill color)-(transparency)-(fill transparency)-(line type)-(label text)

Parameter	Explanation	Possible values
coalition	Coalition to whom the polygon is	red
	visible, defaults to all when left	blue
	unspecified	neutral
color	Color of the polygon's outline	r = red
		b = blue
	The RGB values for both the	g = green
	custom and predefined colors can	bl = black
	be adjusted in the config section	w = white
	of the script file.	y = yellow
		o = orange
	If the color is not specified, the	p = purple
	default color defined in the config	c1 = custom color 1
	section of the script file is used	c2 = custom color 2
	instead.	c3 = custom color 3

fill color	Fill color of the polygon	fr = red
		fb = blue
	Note the added "f"! f = filler	fg = green
		fbl = black
	The RGB values for both the	fw = white
	custom and predefined colors can	fy = yellow
	be adjusted in the config section	fo = orange
	of the script file.	fp = purple
		fc1 = custom color 1
	If the color is not specified, the	fc2 = custom color 2
	default color defined in the config	fc3 = custom color 3
	section of the script file is used	
	instead.	
transparency	Transparency setting for the	numbers between 0 and 1
	outline of the polygon	1 = fully opaque
		0 = invisible
fill transparency	Transparency setting for the inside area of the polygon	f+numbers between 0 and 1
		1 = fully onaque
	Note the added "f"! f = filler	$\Omega = invisible$
		Example: -f0.5
line type	Determines what kind of line will	n = none (no visible outline)
	be used to outline the polygon	s = solid
		d = dash
		ld = long dash
		2d = double dash
		dd = dot dash
		dot = well, take a guess
label text	Creates a textfield inside the	t + text
	polygon. The position is	
	determined by the mean	The script expects a space to be
	coordinates of all corner points	left between the t and the label
	and deviates from the center of	text, e.g.: -t Hello World!
	the polygon when corners are	
	spaced unevenly. It's possible to	
	define position offsets in the	
	config section of the script file.	
	Text color and transparency for	
	the textfield are the same as	
	specified for the polygon's outline.	
	Text size can be changed in the	
	config section.	

Example: -drawpoly-blue-b-1-f0-dot-t Patrol Area

Draws a polygon with a dotted blue outline and no filling, labelled "Patrol Area". The circle is only visible to players of the blue coalition.

5.31 Delete markings from the F10 map

Removes all drawings and map markers within a specified radius from the command marker.

Command structure: -drawdel-(radius)

Parameter Explanation Possible values

radius	Radius in m around the command marker. All drawings and map markers within the radius will be deleted. Note that the reference position for map drawings is always the position of the command marker by which the drawing was created.	numbers, 1-infinity
	unspecified.	

Example: -drawdel-5000

Removes all drawings and map markers whose reference position is within 5000 m of the command marker.

5.32 Return a list of all groups included in the mission

Returns a list of all groups that are included in the mission (both active and inactive). The output can be filtered by categories and by names/name parts. Default output format are map markers, created at the position of the command marker, this can be switched to on screen messages.

Command structure: -list-(category)-(name)-(output format)

Parameter	Explanation	Possible values
category (optional)	Only display groups of the specified category	sta = statics cargo = MOOSE cargoes gound ship plane helo
name (optional)	Only display groups containing the specified text in their name. Can be combined with the category parameter for higher filter precision	text
output format (optional)	Typing in "msg" switches output to text messages shown in top right corner of the screen. If GMFunc.RestrToCoal is being utilised, the messages are only shown to the coalition that has access to gamemaster, else all players see the messages. If the parameter is omitted, map markers are used to return the list instead.	msg

Example: -list

Returns a list of all groups the mission contains as marker text.

Example: -list-ground-fuel-msg

Returns a list of all ground groups containing the word "fuel" in their name. The list is shown as a text message in the top right corner of the screen.

5.33 Create/remove various types of beacons

5.33.1 Create a TACAN beacon

Activates a TACAN beacon on the specified unit, only works when the unit is of a type that is TACAN capable (e.g. tanker planes, ships, ground TACAN stations, etc.).

Command structure: -actnavbcn-[type]-[channel]-[unit name]-(callsign)

Parameter	Explanation	Possible values
type	Type of beacon, note that not all unit type/TACAN type combinations work, the suitable TACAN type should be pretty self evident	navtcn = naval based, X only aatcnx = airborne, X aatcny = airborne, Y gndtcnx = ground based, X gndtcny = ground based, Y
channel	The TACAN channel on which the beacon will broadcast	number 1-126
unit name	The unit (NOT group) to which the beacon is attached	text
callsign (optional)	callsign that is broadcast as morse code, defaults to the unit name if omitted	text

Example: -actnavbcn-navtcn-34-tarawa-TWA

Activates a TACAN beacon aboard the ship unit named "tarawa". The beacon will transmit on 34X, under the callsign "TWA".

5.33.2 Remove a TACAN beacon

Removes all TACAN beacons that are currently active on the specified unit.

Command structure: -remnavbcn-[unit name]

Parameter	Explanation	Possible values
unit name	The unit (NOT group) to which the	text
	beacon is attached	

Example: -remnavbcn-tarawa

Removes the TACAN beacon aboard the ship unit named "tarawa".

5.33.3 Create a radio homing signal

With this you can create various types of radio homing signals for VHF, VHF/FM, and ADF homing. The command can also be used to trigger a radio transmission on a given frequency. All signals require a source audio file (.wav or .ogg) to be present in the l10n\default directory of the .miz file. You can put them there by using them in one of the SOUND TO actions at mission start.

Parameter	Explanation	Possible values
frequency	Frequency that the beacon will	number
	transmit on. Default input unit is	
	Mhz, you can switch to Khz by	
	simply typing "khz" directly	
	behind the frequency number.	
	That way you can create beacons	
	for ADF homing.	
audio file	full name of the audio file that will	text
	be played over the radio,	
	INCLUDING the file ending. Must	
	be in the .wav or .ogg format and	
	must be located inside the	
	I10n\default directory of your .miz	
	file.	
group name (optional)	Exact name of the group that the	text
	radio beacon will be attached to.	
	If omitted the radio beacon will be	
	placed at the position of the	
	command marker. Warning: If the	
	beacon is not attached to a group,	
	it cannot be turned off again!	
modulation (optional)	Modulation (AM/FM) that is used	fm
	by the radio beacon, defaults to	
	AM if left unspecified	
loop (optional)	Per default all radios loop their	noloop
	transmissions indefinitely, if this	
	parameter is specified the given	
	audio file will be played only once	
	instead.	
power	Transmitting power of the radio	number
	beacon in Watts, defaults to	
	1000W if omitted	
	More power = Higher range	

Command structure: -acthombcn-[frequency]-[audio file]-(group name)-(modulation)-(loop)-(power)

Example: -acthombcn-450khz-BeepBeep.ogg-SomeDude

Activates a radio beacon transmitting at 450 Khz (ADF range). The sound file played is BeepBeep.ogg. The radio beacon is attached to a group called "SomeDude". Because loop and power are omitted the radio message is looped indefinitely at a power of 1000W.

Example: -acthombcn-34-BeepBeep.ogg-fm-500-noloop

Activates a radio beacon transmitting at 34 Mhz FM. The sound file played is again BeepBeep.ogg. No group name has been given, the radio transmits out of thin air, from the location of the command marker. The Wattage has been set to 500W. The radio message only plays once and then terminates.

5.33.4 Remove a radio homing signal

Orders the specifies group to stop transmitting, thus removing its homing signal.

Command structure: -remhombcn-[group name]

Parameter	Explanation	Possible values
group name	The unit group to which the	text
	beacon is attached	

Example: -remhombcn-CSAR1

Group "CSAR1" stops transmitting.

6. List of group templates

The following table lists all groups that are included in the "Gamemaster_Templates.lua". All these groups can be spawned with the "-s" command (see 5.1), **but only if "Gamemaster_Templates.lua" has been loaded at mission start and if the table they are included in has been selected for loading in the config section of the script file.** The table name shown in square brackets is the name under which the table can be found in the config section of "Gamemaster_Templates.lua".

Eastern Main Batt	e Tanks [MBTEast]
Add sqd directly behind group name to spawn a so	guad of four units (t55sqd \rightarrow 4 T-55s get spawned)
t55	
t72b	
t72b3	
t80	
t90	
ztz	
Western Main Batt	e Tanks [MBTWest]
Add sqd directly behind group name to spawn a squa	d of four units (leo1sqd \rightarrow 4 Leopard 1s get spawned)
leo1	
leo2a4	
leo2a4trs	
leo2a5	
leo2a6	
challenger2	
chieftainmk3	
leclerc	
merkava	
patton	
abrams	
Eastern Infantry Combat Vehicle	s and Troop Transports [ICVEast]
Add sqd directly behind group name to spawn a squ	ad of four units (bmd1sqd \rightarrow 4 BMD-1s get spawned)
bmd1	
bmp1	
bmp2	
bmp3	
pt76	
btrrd	
fddm	
mtlb	
btr80	
btr82	
zbd	
Western Infantry Combat Vehicle	s and Troop Transports [ICVWest]
Add sqd directly behind group name to spawn a squa	d of four units (fuchssqd \rightarrow 4 TPZ Fuchs get spawned)
fuchs	
aav7	
m113	
mephisto	
stryker	
strykeratgm	
strykermgs	
strykericv	
strykeratgm	
marder	
mcv80	

lav25	
Bradley	
Eastern Air Dei	fences [ADEast]
sborka	
ewr1l13	
ewr55g6	
p19sr	
hq7	
tunguska	
osa	
tor	
sa9	
sa13	
sa2l	low strength
sa2m	medium strength
sa2h	high strength
sa3l	low strength
sa3m	medium strength
sa3h	high strength
sa6l	low strength
sa6m	medium strength
sa6h	high strength
sa10l	low strength
sa10m	medium strength
sa10h	high strength
sa11l	low strength
sa11m	medium strength
sa11h	high strength
igla	
shilka	
zsu57	
zu23	
zu23ins	
zu23closed	
zu23closedins	
zu23ural	
Western Air Dei	rences [ADWest]
rolandewr	
roland	
avenger	
	low strongth
	now strength
	high strongth
hawkl	low strength
hawkm	medium strength
hawkh	high strength
natriot	low strength
natriotm	medium strength
patrioth	high strength
stinger	
gepard	
vulcan	

Eastern Artill	ery [ArtyEast]
Add sqd directly behind group name to sp	pawn a squad of four units (except mortar)
mortar	
nona	
gvozdika	
akatsia	
msta	
grad	
smerch	
uragan	
silkworm	
scud	
Western Artill	erv [ArtvWest]
Add sqd directly behind group name to spawn a sq	uad of four units (danasgd \rightarrow 4 Danas get spawned)
dana	
firtina	
paladin	
m270	
Eastern trucks and Armed/II	narmed Vehicles [TrucksEast]
Add cad directly behind group name to snawn a	
Add squ directly bennid group name to spawn as	
tigr	
5157	no squ avallable
apa5d	
apa80	
uralarmor	
ural4320	
ural375	
gaz66	
kamaztruck	
kraz6322	
zil131	
cobra	
brdm	
Western Trucks and Armed/U	narmed Vehicles [TrucksWest]
Add sqd directly behind group name to spawn a squ	uad of four units (m818sqd → 4 M818 get spawned)
landrover109	
hmmwv	
hmmwvm2	
hmmwvtow	
m818	
hemtt	
hemtttanker	
cppredator	
cptrojan	
Civilian Trucks and	Vehicles [TrucksCiv]
civtruckblue	
civtruckred	
civtruckcamo	
civcarwhite	
bluebus	
vellowbus	
,	

whitebus	
uralfiretruck	
aa7firetruck	
Eastern Infa	ntry [InfEast]
solrus	soldier (russia)
paraaks	paratrooper AKS (russia, blue barret)
pararpg	paratrooper RPG (russia, blue barret)
rforinfgr	3*AK, 1*RPG
rforinfsqd	10*AK, 2*RPG
Western Infa	ntry [InfWest]
solm4	NATO-soldier with M4
solm249	NATO-soldier with M249
natoinfgr	3*M4, 1*M249
natoinfsqd	10*M4, 2*M249
Insurgent Inf	antry [Infins]
solins	soldier (insurgents)
solak	soldier AK (bearded guy with beanie)
solrpg	soldier RPG (bearded guy with beanie)
insinfgr	3*AK, 1*RPG
insinfsqd	10*AK, 2*RPG
Eastern Convoi	s [ConvoisEast]
rforuaconv	
rforaconv	
rforsamconv	
Western Convo	s [ConvoisWest]
natouaconv	
natoaconv	
natosamconv	
Eastern Ship	s [ShipsEast]
neustra	
type52b	
type52c	
type54a	
type71	
grisha	
molniya	
rezky	
moskva	
pyotr	
KUZ	
SSK041	
Western shin	c [Shine]Mact]
western snip	
tico	
nerry	
hurko	
tarawa	
cvn70	Vinson
cvn71	Roosevelt
cvn72	Lincoln
cvn73	Washington
	0

cvn74	Stennis (not Supercarrier)
cvn75	Truman
Civilian Shi	ps [ShipsCiv]
cargovak	
cargoivan	
elnya	
seawise	
zvezdny	
handywind	
Fastern CAP Planes [CAP1sFast.	AP2sFast, CAP3sFast, CAP4sFast]
Add 2, 3 or 4 directly behind group name to spawn flights o	f 2, 3 or 4 aircraft (only works if multiplane group tables have
capmig15	
capmig19	
capmig21	
capmig23	
capmig25	
capmig29a	
capmig29s	
capmig31	
capsu27	
capsu30	
capsu33	
capjf17	
capl39za	
Western CAP Planes [CAP1sEast,	CAP2sEast, CAP3sEast, CAP4sEast]
Add 2, 3 or 4 directly behind group name to spawn flights o	f 2, 3 or 4 aircraft (only works if multiplane group tables have
been selecte	d for loading)
capf86f	
capf4e	
capf5e	
capf14a	
capf14b	
capf15c	
capt16a	
capf16c	
capt18a	
capt18c	
capajs37	
capc101	
capm2000c	
capm2000c5	
WW2 Era CAP Planes [CAP1sWW2, C	AP2sWW2, CAP3sWW2, CAP4sWW2]
Add 2, 3 or 4 directly behind group name to spawn flights o been selecte	d for loading)
capp47	
capp51	
capspitfire	
capbf109	
capfw190a	
captw190d	
capi16	
Eastern CAS planes [CAS1sEast,	CAS2sEast, CAS3sEast, CAS4sEast]
Add 2, 3 or 4 directly behind group name to spawn flights o been selecte	t 2, 3 or 4 aircraft (only works if multiplane group tables have do for loading)

casmig15	
casmig19	
casmig21	
casmig21	
casmig27	
casmig29s	
cassu17	
cassu24	
cassu25	
cassu25t	
cassu27	
cassu30	
cassu33	
cassu34	
casl39za	
casjf17	
Western CAS Planes [CAS1sWest, C	AS2sWest, CAS3sWest, CAS4sWest]
Add 2, 3 or 4 directly behind group name to spawn flights of	2. 3 or 4 aircraft (only works if multiplane group tables have
been selecte	d for loading)
casa10a	6,
casa10c	
casa10cii	
casharrier	
casf86	
cast5e	
casf14b	
casf16c	
casf18c	
W/W/2 Era CAS Dianas [CAS1cW/W/2 C	
VVVZ ETa CAS Flattes [CASISVVVZ, C	AS2SWWZ, CASSSWWZ, CAS4SWWZ]
Add 2, 3 of 4 directly benind group name to spawn nights of	d for loading)
casp47	
cashu100d	
Eastern Ground Attack Planes [GA1s	East, GAZSEast, GA3SEast, GA4SEast]
Add 2, 3 or 4 directly behind group name to spawn flights of	2, 3 or 4 aircraft (only works if multiplane group tables have
gamig10	
gamig12	
gasul7	
gasu24	
gasu25t	
gasu2/	
gasu30	
gasu33	
gasu34	
gatu22	
gatu95	
gatu160	
gajf17	
Western Ground Attack Planes [GA1sW	/est, GA2sWest, GA3sWest, GA4sWest]

Add 2, 3 or 4 directly behind group name to spawn flights o	2, 3 or 4 aircraft (only works if multiplane group tables have
been selecte	d for loading)
gaa10a	
gaa10c	
gaa10cii	A-10C II Tankkiller
gaharrier	
gab1	
gab52	
gas3b	
gat86	
gat4	
	F 44D
	F-14B
garise	
gaf16a	
ga118a	
gatisc	
gatornadogr	
WW2 Era Ground Attack Planes [GA1s]	Vest, GA2swest, GA3swest, GA4swestj
Add 2, 3 or 4 directly behind group name to spawn flights of	d for loading)
gan47	
gap=7	
gafw190a	
gafw190d	
gaiwijou	
Eastern SEAD Dianes (SEAD1sEast S	FAD2cFact SFAD3cFact SFAD4cFact]
Eastern SEAD Planes [SEAD1sEast, S	EAD2sEast, SEAD3sEast, SEAD4sEast]
Eastern SEAD Planes [SEAD1sEast, S Add 2, 3 or 4 directly behind group name to spawn flights o been selecte	EAD2sEast, SEAD3sEast, SEAD4sEast] 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading)
Eastern SEAD Planes [SEAD1sEast, S Add 2, 3 or 4 directly behind group name to spawn flights or been selecter seadmig27	EAD2sEast, SEAD3sEast, SEAD4sEast] 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading)
Eastern SEAD Planes [SEAD1sEast, S Add 2, 3 or 4 directly behind group name to spawn flights or been selecte seadmig27 seadsu17	EAD2sEast, SEAD3sEast, SEAD4sEast] 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading)
Eastern SEAD Planes [SEAD1sEast, S Add 2, 3 or 4 directly behind group name to spawn flights o been selecte seadmig27 seadsu17 seadsu24	EAD2sEast, SEAD3sEast, SEAD4sEast] 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading)
Eastern SEAD Planes [SEAD1sEast, S Add 2, 3 or 4 directly behind group name to spawn flights o been selecte seadmig27 seadsu17 seadsu24 seadsu25	EAD2sEast, SEAD3sEast, SEAD4sEast] 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading) Su-25T
Eastern SEAD Planes [SEAD1sEast, S Add 2, 3 or 4 directly behind group name to spawn flights or been selecte seadmig27 seadsu17 seadsu24 seadsu25 seadsu30	EAD2sEast, SEAD3sEast, SEAD4sEast] 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading) Su-25T
Eastern SEAD Planes [SEAD1sEast, S Add 2, 3 or 4 directly behind group name to spawn flights o been selecte seadmig27 seadsu17 seadsu24 seadsu25 seadsu30 seadsu34	EAD2sEast, SEAD3sEast, SEAD4sEast] 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading) Su-25T
Eastern SEAD Planes [SEAD1sEast, S Add 2, 3 or 4 directly behind group name to spawn flights o been selecte seadmig27 seadsu17 seadsu24 seadsu25 seadsu30 seadsu34 seadjf17	EAD2sEast, SEAD3sEast, SEAD4sEast] 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading) Su-25T Su-25T
Eastern SEAD Planes [SEAD1sEast, S Add 2, 3 or 4 directly behind group name to spawn flights o been selecte seadmig27 seadsu17 seadsu24 seadsu25 seadsu30 seadsu34 seadjf17 Western SEAD Planes [SEAD1sWest, SI	EAD2sEast, SEAD3sEast, SEAD4sEast] 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading) Su-25T AD2sWest, SEAD3sWest, SEAD4sWest]
Eastern SEAD Planes [SEAD1sEast, S Add 2, 3 or 4 directly behind group name to spawn flights o been selecter seadmig27 seadsu17 seadsu24 seadsu25 seadsu30 seadjf17 Western SEAD Planes [SEAD1sWest, SI Add 2, 3 or 4 directly behind group name to spawn flights o been selecter	EAD2sEast, SEAD3sEast, SEAD4sEast] 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading) Su-25T Su-25T EAD2sWest, SEAD3sWest, SEAD4sWest] 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading)
Eastern SEAD Planes [SEAD1sEast, S Add 2, 3 or 4 directly behind group name to spawn flights o been selecte seadmig27 seadsu17 seadsu24 seadsu25 seadsu30 seadsu34 seadjf17 Western SEAD Planes [SEAD1sWest, SI Add 2, 3 or 4 directly behind group name to spawn flights o been selecte seadharrier	EAD2sEast, SEAD3sEast, SEAD4sEast] 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading) Su-25T AD2sWest, SEAD3sWest, SEAD4sWest] 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading)
Eastern SEAD Planes [SEAD1sEast, S Add 2, 3 or 4 directly behind group name to spawn flights o been selecter seadmig27 seadsu17 seadsu24 seadsu25 seadsu30 seadsu34 seadjf17 Western SEAD Planes [SEAD1sWest, SI Add 2, 3 or 4 directly behind group name to spawn flights o been selecter seadharrier seadf16a	EAD2sEast, SEAD3sEast, SEAD4sEast] 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading) Su-25T Su-25T EAD2sWest, SEAD3sWest, SEAD4sWest] 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading)
Eastern SEAD Planes [SEAD1sEast, S Add 2, 3 or 4 directly behind group name to spawn flights o been selecter seadmig27 seadsu17 seadsu24 seadsu25 seadsu30 seadsu34 seadjf17 Western SEAD Planes [SEAD1sWest, SI Add 2, 3 or 4 directly behind group name to spawn flights or been selecter seadf16a seadf16a	EAD2sEast, SEAD3sEast, SEAD4sEast] 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading) Su-25T EAD2sWest, SEAD3sWest, SEAD4sWest] 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading)
Eastern SEAD Planes [SEAD1sEast, S Add 2, 3 or 4 directly behind group name to spawn flights o been selecter seadmig27 seadsu17 seadsu24 seadsu25 seadsu30 seadsu34 seadjf17 Western SEAD Planes [SEAD1sWest, SI Add 2, 3 or 4 directly behind group name to spawn flights o been selecter seadf16a seadf16a seadf16c seadf18a	EAD2sEast, SEAD3sEast, SEAD4sEast] 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading) Su-25T EAD2sWest, SEAD3sWest, SEAD4sWest] 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading)
Eastern SEAD Planes [SEAD1sEast, S Add 2, 3 or 4 directly behind group name to spawn flights o been selecter seadmig27 seadsu17 seadsu24 seadsu25 seadsu30 seadsu34 seadjf17 Western SEAD Planes [SEAD1sWest, SI Add 2, 3 or 4 directly behind group name to spawn flights o been selecter seadf16a seadf16a seadf18a seadf18c	EAD2sEast, SEAD3sEast, SEAD4sEast] 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading) Su-25T EAD2sWest, SEAD3sWest, SEAD4sWest] 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading)
Eastern SEAD Planes [SEAD1sEast, S Add 2, 3 or 4 directly behind group name to spawn flights o been selecter seadmig27 seadsu17 seadsu24 seadsu25 seadsu30 seadsu34 seadjf17 Western SEAD Planes [SEAD1sWest, SI Add 2, 3 or 4 directly behind group name to spawn flights or been selecter seadf16a seadf16a seadf18a seadf18c seadf18c	EAD2sEast, SEAD3sEast, SEAD4sEast] 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading) Su-25T Su-25T 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading) 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading)
Eastern SEAD Planes [SEAD1sEast, S Add 2, 3 or 4 directly behind group name to spawn flights o been selecter seadmig27 seadsu17 seadsu24 seadsu25 seadsu30 seadsu34 seadjf17 Western SEAD Planes [SEAD1sWest, SI Add 2, 3 or 4 directly behind group name to spawn flights o been selecter seadf16a seadf16a seadf18a seadf18c seadtornadogr seadtornadogr	EAD2sEast, SEAD3sEast, SEAD4sEast] 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading) Su-25T EAD2sWest, SEAD3sWest, SEAD4sWest] 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading)
Eastern SEAD Planes [SEAD1sEast, S Add 2, 3 or 4 directly behind group name to spawn flights o been selecter seadmig27 seadsu17 seadsu24 seadsu25 seadsu30 seadsu34 seadjf17 Western SEAD Planes [SEAD1sWest, SI Add 2, 3 or 4 directly behind group name to spawn flights o been selecter seadf16a seadf16a seadf18a seadf18c seadf18c seadtornadogr seadtornadoids	EAD2sEast, SEAD3sEast, SEAD4sEast] 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading) Su-25T Su-25T EAD2sWest, SEAD3sWest, SEAD4sWest] 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading) 4 for loading)
Eastern SEAD Planes [SEAD1sEast, S Add 2, 3 or 4 directly behind group name to spawn flights o been selecter seadmig27 seadsu17 seadsu24 seadsu25 seadsu30 seadsu34 seadjf17 Western SEAD Planes [SEAD1sWest, SI Add 2, 3 or 4 directly behind group name to spawn flights o been selecter seadf16a seadf16a seadf18a seadf18c seadtornadogr seadtornadoids Eastern Anti-Ship Planes [AS1sEa Add 2, 3 or 4 directly behind group name to spawn flights o	EAD2sEast, SEAD3sEast, SEAD4sEast] 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading) Su-25T Su-25T EAD2sWest, SEAD3sWest, SEAD4sWest] 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading) st, AS2sEast, AS3sEast, AS4sEast] 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading)
Eastern SEAD Planes [SEAD1sEast, S Add 2, 3 or 4 directly behind group name to spawn flights o been selecter seadsu17 seadsu24 seadsu25 seadsu30 seadsu34 seadjf17 Western SEAD Planes [SEAD1sWest, SI Add 2, 3 or 4 directly behind group name to spawn flights or been selecter seadf16a seadf16a seadf18a seadf18c seadtornadogr seadtornadoids Eastern Anti-Ship Planes [AS1sEa Add 2, 3 or 4 directly behind group name to spawn flights or been selecter	EAD2sEast, SEAD3sEast, SEAD4sEast] 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading) Su-25T Su-25T EAD2sWest, SEAD3sWest, SEAD4sWest] 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading) Structure Stable Su-25T Su-25T
Eastern SEAD Planes [SEAD1sEast, S Add 2, 3 or 4 directly behind group name to spawn flights o been selecter seadsu17 seadsu24 seadsu25 seadsu30 seadsu34 seadjf17 Western SEAD Planes [SEAD1sWest, SI Add 2, 3 or 4 directly behind group name to spawn flights o been selecter seadf16a seadf16a seadf18a seadtornadogr seadtornadoids Eastern Anti-Ship Planes [AS1sEa Add 2, 3 or 4 directly behind group name to spawn flights o been selecter	EAD2sEast, SEAD3sEast, SEAD4sEast] 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading) Su-25T Su-25T EAD2sWest, SEAD3sWest, SEAD4sWest] 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading) Ext, AS2sEast, AS3sEast, AS4sEast] 2, 3 or 4 aircraft (only works if multiplane group tables have
Eastern SEAD Planes [SEAD1sEast, S Add 2, 3 or 4 directly behind group name to spawn flights o been selecter seadsu17 seadsu24 seadsu25 seadsu30 seadsu34 seadjf17 Western SEAD Planes [SEAD1sWest, SI Add 2, 3 or 4 directly behind group name to spawn flights o been selecter seadf16a seadf16a seadf18c seadtornadogr seadtornadoids Eastern Anti-Ship Planes [AS1sEa Add 2, 3 or 4 directly behind group name to spawn flights o been selecter	EAD2sEast, SEAD3sEast, SEAD4sEast] 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading) Su-25T Su-25T EAD2sWest, SEAD3sWest, SEAD4sWest] 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading) St, AS2sEast, AS3sEast, AS4sEast] 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading)
Eastern SEAD Planes [SEAD1sEast, S Add 2, 3 or 4 directly behind group name to spawn flights o been selecter seadsu17 seadsu24 seadsu25 seadsu30 seadsu34 seadjf17 Western SEAD Planes [SEAD1sWest, SI Add 2, 3 or 4 directly behind group name to spawn flights o been selecter seadf16a seadf16a seadf16c seadf18a seadtornadogr seadtornadogr seadtornadogr seadtornadogr seadtornadoids Eastern Anti-Ship Planes [AS1sEa Add 2, 3 or 4 directly behind group name to spawn flights o been selecter	EAD2sEast, SEAD3sEast, SEAD4sEast] 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading) Su-25T EAD2sWest, SEAD3sWest, SEAD4sWest] 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading) Structure St, AS2sEast, AS3sEast, AS4sEast] 2, 3 or 4 aircraft (only works if multiplane group tables have d for loading)

assu34		
astu22		
astu142		
asjf17		
Western Anti-Ship Planes [AS1sWes	st, AS2sWest, AS3sWest, AS4sWest]	
Add 2, 3 or 4 directly behind group name to spawn flights of 2, 3 or 4 aircraft (only works if multiplane group tables have been selected for loading)		
asb52		
asf16a		
asf18a		
asf18c		
asajs37		
asc101		
astornadogr		
astornadoids		
Eastern Transport Planes [Trans1sEast,	Trans2sEast, Trans3sEast, Trans4sEast]	
Add 2, 3 or 4 directly behind group name to spawn flights of 2, 3 or 4 aircraft (only works if multiplane group tables have been selected for loading)		
tan26		
tan30		
til76		
tyak40		
Western Transport Planes [Trans1sWest,	Trans2sWest, Trans3sWest, Trans4sWest]	
Add 2, 3 or 4 directly behind group name to spawn flights of 2, 3 or 4 aircraft (only works if multiplane group		
tables have been so	elected for loading)	
tc130		
tc17		
Eastern CAS Helicopters [HCAS1sEast,	HCAS2sEast, HCAS3sEast, HCAS4sEast]	
Add 2, 3 or 4 directly behind group name to spawn flights of 2, 3 or 4 aircraft (only works if multiplane group tables have been selected for loading)		
caska50		
casmi8		
casmi24		
casmi28		
Western CAS Helicopters [HCAS1sWest, I	HCAS2sWest, HCAS3sWest, HCAS4sWest]	
Add 2, 3 or 4 directly behind group name to spawn flights of 2, 3 or 4 aircraft (only works if multiplane group		
tables have been se	elected for loading)	
casuh1		
casah1		
casah64a		
casah64d		
casoh58		
cassa342l		
cassa342m		
cassa342mini		
assh60	SH-60 in anti-ship configuration	
capsa342	SA342 Mistral	
Eastern Transport Helicopters [HTrans1sEast	, HTrans2sEast, HTrans3sEast, HTrans4sEast]	
Add 2, 3 or 4 directly behind group name to spawn flights of 2, 3 or 4 aircraft (only works if multiplane group tables have been selected for loading)		
tka27		
tmig		
LIIII0		
tmi26		

Add 2, 3 or 4 directly behind group name to spawn flights of 2, 3 or 4 aircraft (only works if multiplane group tables have	
been selected for loading)	
tuh1	
tch47	
tch53	
tuh60	