Includes for San Andreas Multiplayer Plus Version 1.6, Documentation

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1 Changes in ISAMPP 1.6

ISAMPP Library:

- New definitions for crime reports (i_crimes.inc)
- New definitions for explosions (*i_explosions.inc*)
- New definitions for objects/models (i_objects.inc)
- Updated documentation

ISAMPP Sandbox Game Mode:

- Added in-game command /crime for testing crime report playback
- Added in-game command /explosion for testing explosions
- On PlayerRequestClass re-uses player position variables

Changelogs for previous versions of ISAMPP are located in folder "docs/changelogs"

2 Introduction

San Andreas Multiplayer Includes Library+ or ISAMPP (*Includes for San Andreas Multiplayer Plus*) is library of include files for San Andreas Multiplayer Mod SA-MP. Purpose of ISAMPP is to make development of game modes for SA-MP much easier. SA-MP by default uses in most cases numeric identifiers which are hard to remember and without enough experience you have to use SA-MP wiki a lot. Word identifiers are much more easier to remember, they make much more sense (especially if you are familiar with modding the game Grand Theft Auto: San Andreas) and may also have positive impact on your workflow. Except re-definitions of numeric identifiers, ISAMPP also contains other useful libraries - such as library of locations with coordinates, interior identifiers and location names - or few related custom stock functions. ISAMPP is available with sandbox-styled game mode in which you can see everything implemented.

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3 Installation

#include <i_sampp>

Copy contents of include folder to "[SA-MP Server folder]/include" and also to "include" folder for Pawno (by default "[SA-MP Server folder]/pawno/include").

In your game mode file you can include ISAMPP header for all its contents:

```
or include header files as you
```

or include header files as you wish separately:

```
#include <i_sampp/i_bodyparts>
#include <i_sampp/i_boneids>
#include <i_sampp/i_cammode>
#include <i_sampp/i_carcols>
#include <i_sampp/i_carmods>
#include <i_sampp/i_colorlist>
#include <i_sampp/i_crimes>
#include <i_sampp/i_explosions>
#include <i_sampp/i_iconids>
#include <i_sampp/i_locationids>
#include <i_sampp/i_objects>
#include <i_sampp/i_paintjob>
#include <i_sampp/i_pickupids>
#include <i_sampp/i_skinids>
#include <i_sampp/i_textstyle>
#include <i_sampp/i_vehhealth>
#include <i_sampp/i_vehids>
#include <i_sampp/i_weaponids>
#include <i_sampp/i_weatherids>
```

If you wish to run included sandbox game mode, you have to add file testmpp.pwn to your "gamemodes" folder and compile it. Alternatively, you can use pre-compiled file testmpp.amx.

4 Includes

Every ISAMPP include file starts with prefix i_{-} . Please keep in mind that ISAMPP may not be the only set of include files using this prefix.

bodyparts - List of available player/npc body part identifiers

boneids - List of player bone identifiers

cammode - List of known camera modes

carcols - List of definitions for all available vehicle colors

carmods - List of all available components for vehicle customization

colorlist - List of color definitions

crimes - List of crime reports

explosions - List of available types of explosions

iconids - List of map icon identifiers

locationids - List of location definitions with coordinates, interior identifiers and names

objects- List of game objects/models

paintjob - List of definitions for all available vehicle paintjobs

pickupids - List of definitions for pickup identifiers

skinids - List of definitions for character skin/model identifiers

textstyle - List of definitions for GameText styles

vehhealth - Vehicle Health configurations

vehids - List of definitions for all available vehicles

weaponids - List of definitions for weapon identifiers, sorted by weapon slot IDs

weatherids - List of definitions for weather identifiers

5 Body Parts

Body part identifiers are included as macro defines with prefix BODYPART. Body parts can be used in functions OnPlayerGiveDamage, OnPlayerTakeDamage and OnPlayerGiveDamageActor. It is unknown if IDs 0, 1 and 2 have any use. You can test this feature in sandbox game mode by shooting Actor NPC.

Identifier	Value	Body Part
BODYPART_TORSO	3	Torso
BODYPART_GROIN	4	Groin
BODYPART_LEFTARM	5	Left Arm
BODYPART_RIGHTARM	6	Right Arm
BODYPART_LEFTLEG	7	Left Leg
BODYPART_RIGHTLEG	8	Right Leg
BODYPART_HEAD	9	Head

Resources: https://open.mp/docs/scripting/resources/bodyparts

6 Bone Identifiers

Bone identifiers with prefix $BONE_{-}$ can be used for attaching objects to specific parts of player model/skin with function SetPlayerAttachedObject.

Identifier	Value	Bone
BONE_SPINE	1	Spine
BONE_HEAD	2	Head
BONE_LEFTUPPERARM	3	Left Upper Arm
BONE_RIGHTUPPERARM	4	Right Upper Arm
BONE_LEFTHAND	5	Left Hand
BONE_RIGHTHAND	6	Right Hand
BONE_LEFTTHIGH	7	Left Thigh
BONE_RIGHTTHIGH	8	Right Thigh
BONE_LEFTFOOT	9	Left Foot
BONE_RIGHTFOOT	10	Right Foot
BONE_RIGHTCALF	11	Right Calf
BONE_LEFTCALF	12	Left Calf
BONE_LEFTFOREARM	13	Left Forearm
BONE_RIGHTFOREARM	14	Right Forearm
BONE_LEFTSHOULDER	15	Left Clavicle (shoulder)
BONE_RIGHTSHOULDER	16	Right Clavicle (shoulder)
BONE_NECK	17	Neck
BONE_JAW	18	Jaw

Example of implementation:

```
public OnPlayerSpawn(playerid)
{
    //Give player green hat on spawn
    SetPlayerAttachedObject(playerid, BONE_LEFTUPPERARM, 19487, 2, 0.101,
    -0.0, 0.0, 5.50, 84.60, 83.7, 1.0, 1.0, 0xFF00FF00);
    return 1;
}
```

 $Resources: \verb|https://open.mp/docs/scripting/resources/boneid|$

7 Camera Modes

List of known camera modes to be used as returned value of function GetPlayerCameraMode(playerid). In ISAMPP sandbox game mode you can output more information about active camera mode with command /cameramode

Identifier	Value	Description	
CAMMODE_TRAIN	3	Train/tram camera.	
CAMMODE_FOLLOWPED	4	Follow ped (normal behind player camera).	
CAMMODE_SNIPER	7	Sniper rifle aiming.	
CAMMODE_ROCKETAIM	8	Rocket launcher aiming.	
CAMMODE_FIXED	15	Fixed camera (non-moving).	
CAMMODE_VEHICLEFRONT	16	Vehicle front camera, bike side camera.	
CAMMODE_VEHICLEDEFAULT	18	Normal car/helicopter/airplane camera, several variable distances.	
CAMMODE_BOATDEFAULT	22	Normal boat camera.	
CAMMODE_WEAPONAIM	46	Weapon aiming camera.	
CAMMODE_ROCKETAIM2	51	Heat-seeking Rocket Launcher aiming camera.	
CAMMODE_WEAPONAIM2	53	Aiming any other weapon.	
CAMMODE_VEHICLEPASSENGER	55	Vehicle passenger drive-by camera.	
CAMMODE_HELICHASE	56	Chase camera: helicopter/bird view.	
CAMMODE_GROUNDCHASE	57	Chase camera: ground camera, zooms in very quickly.	
CAMMODE_FLYBYCHASE	58	Chase camera: horizontal flyby past vehicle.	
CAMMODE_GROUNDCHASE2	59	Chase camera (air vehicles only): looking up to the air vehicle.	
CAMMODE_FLYBYCHASE2	62	Chase camera (air vehicles only): vertical flyby past air vehicle.	
CAMMODE_FLYBYCHASE3	63	Chase camera (air vehicles only): horizontal flyby past air vehicle.	
CAMMODE_PILOTCHASE	64	Chase camera (air vehicles only): camera focused on pilot.	

Resources: https://open.mp/docs/scripting/resources/cameramodes

8 Color List

Color List contains definitions of some few common colors in two formats. Primary or Main color definitions have prefix $COLOR_{-}$ and are defined in 0xRRGGBBAA format. Secondary or String color definitions with prefix $SCOL_{-}$ are defined in more common hex format "{RRGGBB}" without the alpha color transparency values. The difference of these two formats can be explained by this example:

SendClientMessage(playerid, COLOR_RED, "Hello "SCOL_BLUE"World");

where the output will print in game client message box string of text in this format: Hello World

Secondary or String colors can be used simply in strings while Primary/Main colors would be used mainly as parameters in SA-MP functions. To see how every color looks in game, use in included sandbox mode for ISAMPP command /defcols[0-14] or /stringcols. Screenshot of color strings printed out in client message box is located in "docs/images/i_colorlist.png".

Resources: https://open.mp/docs/scripting/resources/colorslist

9 Crime Reports

List of crime report identifiers starting with prefix $CRIME_{-}$ followed by ten-code. These macros can be used with function PlayCrimeReportForPlayer(playerid, suspected, crimeid);

Identifier	Value	Description
CRIME_10_71	3	10-71 Advise nature of fire
CRIME_10_37_1	4	10-37 Investigate suspicious vehicle
CRIME_10_81_1	5	10-81 Breathalyzer Report
CRIME_10_24	6	10-24 Assignment Completed
CRIME_10_21_1	7	10-21 Call () by phone
CRIME_10_21_2	8	10-21 Call () by phone
CRIME_10_21_3	9	10-21 Call () by phone
CRIME_10_17	10	10-17 Meet Complainant
CRIME_10_81_2	11	10-81 Breathalyzer Report
CRIME_10_91_1	12	10-91 Pick up prisoner/subject
CRIME_10_28_1	13	10-28 Vehicle registration information
CRIME_10_81_3	14	10-81 Breathalyzer Report
CRIME_10_28_2	15	10-28 Vehicle registration information
CRIME_10_91_2	16	10-91 Pick up prisoner/subject
CRIME_10_34	17	10-34 Riot
CRIME_10_37_2	18	10-37 Investigate suspicious vehicle
CRIME_10_81_4	19	10-81 Breathalyzer Report
CRIME_10_7_1	21	10-7 Out of service
CRIME_10_7_2	22	10-7 Out of service

Example of implementation:

```
public OnPlayerCommandText(playerid, cmdtext[])
{
   if (strcmp("/crime", cmdtext, true, 20) == 0) {
        PlayCrimeReportForPlayer(playerid, playerid, CRIME_10_71);
        return 1;
   }
   return 0;
}
```

Resources: https://open.mp/docs/scripting/resources/crimelist

10 Explosions

There are 14 types of available explosions defined as macros with prefix $EXPLOSION_{-}$ and you can test every explosion with in-game command /explosion [ID]. These identifiers can be used with both functions CreateExplosion or CreateExplosionForPlayer.

Resources: https://open.mp/docs/scripting/resources/explosionlist

11 GameText Styles

List of definitions for SA-MP function GameTextForPlayer(playerid, const string[], time, style). Some styles might not work properly or could crash the game.

Identifier	Value	Notes	
GMTEXT_STYLE_PRICEDOWN	0	Appears for 9 seconds regardless of time setting.	
GMTEXT_STYLE_RPRICEDOWN	1	Fades out after 8 seconds, regardless of time set.	
GMTEXT_STYLE_SA	2	San Andreas main font. Does not disappear until player respawns.	
GMTEXT_STYLE_SLIM	3	San Andreas specific font.	
GMTEXT_STYLE_SLIM2	4	San Andreas specific font.	
GMTEXT_STYLE_SLIMW	5	Displays for 3 seconds, regardless of what time you set.	
GMTEXT_STYLE_BPRICEDOWN	6	Blue Pricedown font in middle of screen.	
GMTEXT_STYLE_VEHNAME	7	Based on SA vehicle names. Added by fixes.inc	
GMTEXT_STYLE_LOCATION	8	Based on SA location names. Added by fixes.inc	
GMTEXT_STYLE_RADIO	9	Based on SA radio station names (selected). Added by fixes.inc	
GMTEXT_STYLE_RADIOW	10	Based on SA radio station names (switching). Added by fixes.inc	
GMTEXT_STYLE_PMONEY	11	Based on SA positive money. Added by fixes.inc	
GMTEXT_STYLE_NMONEY	12	Based on SA negative money. Added by fixes.inc	
GMTEXT_STYLE_STUNT	13	Based on SA stunt bonuses. Added by fixes.inc	
GMTEXT_STYLE_CLOCK	14	Based on SA in-game clock. Added by fixes.inc	
GMTEXT_STYLE_NOTIFICATION	15	Based on SA notification popup. Added by fixes.inc	

Resources: https://open.mp/docs/scripting/resources/gametextstyles

12 Location Identifiers

Locations, in-game interiors and exteriors, are stored in file $i_locationids.inc$ as set of macro definitions for identifiers and three arrays. Array locCoords is storing float values of XYZ position on the map and float value of PlayerFacingAngle. By default, your PlayerInterior value is set to 0 whenever you are "outside" on the map. When player enters the interior, in order to load the interior you have to change PlayerInterior value accordingly. This is what array locID includes. Third array, locName, has defined strings of names of particular locations so this information can be displayed to player if needed.

Note: If you wish to add new location to this list, you have to do it in correct order. Not every location has proper collision boxes because it was used only in cutscene, so in certain interiors you may fall through ground.

Resources: https://open.mp/docs/scripting/resources/interiorids

13 Objects

Available objects in order by ID number. Every game object is listed with prefix $OBJECT_{-}$ followed by its name of DFF file.

Resources: https://open.mp/docs/scripting/resources/samp_objects

14 Map Icon Identifiers

There are in total 64 map icons included as macro defines with prefix ICON_.

Resources: https://open.mp/docs/scripting/resources/mapicons

15 Pickup Identifiers

Pickup identifiers are included as macro defines with prefix *PICKUP*₋. Every pickup defined in ISAMPP is placed on map in ISAMPP sandbox game mode.

Resources: https://open.mp/docs/scripting/resources/pickupids

16 Skin/Playermodel Identifiers

Skins are included as macro defines with prefix $SKIN_{-}$, followed by name of model in game. With exception of few character models (mainly main story characters and other special characters) where the name of model is obvious (f.e. emmet = Emmet, etc.), character models are named in this or similar format: prefix (f.e. if is located only in certain area), race, gender, age, suffix. In this context BMYRI = Black, Male, Young, RIch. SBFYS = (San Fransisco) Black, Female, Young, Street, etc. This format is very helpful in contrast with plain number identifiers SA-MP uses by default.

Resources: https://open.mp/docs/scripting/resources/skins

17 Vehicle Components

List of all available components for vehicle customization, starting with prefix *CARMOD*_Can be used with function *AddVehicleComponent(vehicleid, componentid)*;

Resources: https://open.mp/docs/scripting/resources/carcomponentid

18 Vehicle Identifiers

Vehicle identifiers are included as macro defines with prefix VEH_{-} followed by the name of vehicle in game with capital letters (motorcycles, bicycles, boats, planes, helicopters, trailers, trains, etc. are included in this format as well). For better orientation in list, defines are sorted by vehicle type.

Resources: https://open.mp/docs/scripting/resources/vehicleid

19 Vehicle Health

Vehicle Health configurations are included as macro defines with prefix VEH_HEALTH_ followed by the desired pre-defined identifier. These values are only related to engine condition and do not change visual damage of vehicle model.

Identifier	Exact Value	Description
VEH_HEALTH_FULL	1000	Full vehicle health
VEH_HEALTH_FULL_LOW	650	Lowest value for undamaged vehicle
VEH_HEALTH_WHITESMOKE	649	White smoke from engine
VEH_HEALTH_WHITESMOKE_LOW	550	Lowest value for white engine smoke
VEH_HEALTH_GREYSMOKE	549	Grey smoke from engine
VEH_HEALTH_GREYSMOKE_LOW	390	Lowest value for grey engine smoke
VEH_HEALTH_BLACKSMOKE	389	Black smoke from engine
VEH_HEALTH_BLACKSMOKE_LOW	250	Lowest value for black engine smoke
VEH_HEALTH_ONFIRE	249	Sets car on fire

You can test this in ISAMPP sandbox game mode with command /setvehiclehealth [ID] while being in any vehicle.

Resources: https://open.mp/docs/scripting/resources/vehiclehealth

20 Vehicle Colors

List of all available colors for vehicles in game. Color names using prefix $CARCOL_SAMP_{-}$ are supported only in SA-MP version 0.3x.

Resources: https://open.mp/docs/scripting/resources/vehiclecolorid

21 Vehicle Paintjobs

List of all available paintjobs for vehicles in game. Use PAINTJOB_REMOVE to remove applied paintjob.

Example of implementation:

AddStaticVehicle(VEH_CAMPER, 425.7991, 2493.3472, 16.5794, 180, CARCOL_WHITE, CARCOL_WHITE); ChangeVehiclePaintjob(vehicleid, PAINTJOB_CAMPER_TRUTH);

Resources: https://open.mp/docs/scripting/resources/paintjobs

22 Weapon Identifiers

Weapon identifiers are included as macro defines with prefix WEAP. In ISAMPP sandbox game mode weapon pickups are fully functional. Every weapon in game can be used only for certain weapon slot and weapon identifiers are ordered in file $i_weaponids.inc$ by weapon slot number.

Resources: https://open.mp/docs/scripting/resources/weaponids

23 Weather Identifiers

Weather identifiers are included as macro defines with prefix WEATHER. In ISAMPP sandbox game mode you can test weather settings with command $/\mathbf{w}$ [ID]

Resources: https://open.mp/docs/scripting/resources/weatherid

24 Custom Functions

ISAMPP uses various stock functions which may be useful in creating your own game modes for SA-MP or simply for debugging purposes. These stock functions are defined in *i_sampp.inc* file.

24.1 isampp_console_printversion()

Outputs ISAMPP version to server console.

Example of implementation:

```
main() {
    isampp_console_printversion();
}
```

24.2 MppTeleport(playerid, locationid)

Teleports player to desired location passed as parameter 'locationid'.

Example of implementation:

```
if (strcmp("/tp barbershop", cmdtext, true, 20) == 0) {
   MppTeleport(playerid, LOC_BARBERSHOP);
   return 1;
}
```

24.3 MppTeleportEx(playerid, locationid, pstringcolor)

Same as MppTeleport, plus outputs location name to in-game chat window. Parameter 'pstringcolor' must be in hexadecimal format 0xRRGGBBAA.

Example of implementation:

```
if (strcmp("/tp barbershop", cmdtext, true, 20) == 0) {
    MppTeleportEx(playerid, LOC_BARBERSHOP, COLOR_LIMEGREEN);
    return 1;
}
```

24.4 MppTeleportToCoords(playerid, x, y, z, interiorid, facingangle)

Teleports player to specified xyz coordinates, supplied with interior identifier and player facing angle.

Example of implementation:

```
if (strcmp("/tpcoord", cmdtext, true, 20) == 0) {
    MppTeleportToCoords(playerid, 49.4172, 2512.4282, 16.4844, 0, 272);
    return 1;
}
```

24.5 MppShowPlayerPosition(playerid, pstringcolor)

Outputs current player location coordinates, interior identifier, facing angle and player camera position coordinates to in-game chat window.

Parameter 'pstringcolor' must be in hexadecimal format 0xRRGGBBAA.

This function might not work properly if player is in a vehicle.

Example of implementation:

```
if (strcmp("/showplayerpos", cmdtext, true, 15) == 0) {
   MppShowPlayerPosition(playerid, COLOR_LIGHTRED);
   return 1;
}
```

24.6 MppShowVehicleInfo(playerid, vehicleid, pstringcolor)

Outputs ID, model, health, position and rotation of vehicle in which is player currently sitting to in-game chat window.

Parameter 'pstringcolor' must be in hexadecimal format 0xRRGGBBAA.

Note: You must pass vehicleid parameter if you want to get model name else function returns '0 Unknown'.

Example of implementation:

```
new VehicleModelID = 0;
public OnPlayerCommandText(playerid, cmdtext[])
   if (strcmp("/showvehicleinfo", cmdtext, true, 15) == 0) {
        MppShowVehicleInfo(playerid, VehicleModelID, COLOR_LIGHTBLUE);
        return 1;
   }
   return 0;
}
public OnPlayerEnterVehicle(playerid, vehicleid, ispassenger)
   VehicleModelID = GetVehicleModel(vehicleid);
   return 1;
}
public OnPlayerExitVehicle(playerid, vehicleid)
   VehicleModelID = 0;
   return 1;
}
```

25 SA-MP Scripting Basics

25.1 Glossary

Word	Meaning
PAWN	The scripting language used to make SA-MP scripts
Gamemode	The main game script that runs on a server
Filterscripts	Scripts that run alongside gamemodes
Plugins	Extra functions and other features added through .DLL or .SO libraries
Include	Pieces of script in .INC files to be included in Filterscripts/Gamemodes
Pawno	The script editor most people use for PAWN programming
Pawncc	The compiler that compiles .pwn to .amx files
Masterlist	The server SA-MP stores its data on such as the Internet list

Read More: https://open.mp/docs/scripting/resources/glossary

25.2 Escape Codes

When creating a string you may find that some character may be impossible or extremely difficult to express in the source code of your script. This is where escape codes come in handy - these allow you to use the symbols and expressions that come under this category. Below is a list of escape codes for the PAWN language.

Code	Description
a or 7	Audible beep (on server machine)
$\setminus b$	Backspace
$\setminus e$	Escape
$\setminus f$	Form feed
$\setminus n$	New line
$\setminus r$	Carriage return
$\setminus t$	Horizontal tab
$\setminus v$	Vertical tab
$\backslash h$	Backslash
h'	Single quote
h"	Double quote
\%	Percent sign
$\backslash ddd;$	Character code with decimal code
$\backslash xhhh;$	Character code with hexidecimal code

Note: The semicolon after the nddd; and xhhh; codes is optional. Its purpose is to give the escape sequence sequence an explicit termination symbol when it is used in a string constant.

Read More: https://open.mp/docs/scripting/resources/escapecodes

25.3 Limits

In-game Entities

Type	Limit
Players	1000
Vehicles	2000
Vehicle Models	Unlimited
Objects	1000
Virtual Worlds	2,147,483,647
Interiors	256
Classes	320
Map Icons	100
Race Checkpoints	1
Checkpoints	1
Pickups	4096
Global 3D Labels	1024
Per-player 3D Text Labels	1024
Chat Bubble String	144
SetObjectMaterialText length	2048
SetPlayerObjectMaterialText length	2048
Gangzones	1024
Menus	128
Attached player objects	10
Player Variables	800
Actors (since SA-MP 0.3.7)	1000
Explosions	10

${\bf Text draws}$

Type	Limit
String Length	1024
Shown In A Single Client's Screen	2048 + 256
Shown In A Single Client's Screen (sprites)	100
Created Serverwise (Global)	2048
Created Serverwise (Per-Player)	256

Dialogs

Type	Limit
Dialog IDs	32768
Info (Main text)	4096
Caption	64
Input Text Box	128
Tab List Columns	4
Tab List Column Characters	128
Tab List Row Characters	256

Read More: https://open.mp/docs/scripting/resources/limits

26 SA-MP Macros

SA-MP has in certain cases various macros replacing numeric identifiers by default.

26.1 Animations List

Read More: https://open.mp/docs/scripting/resources/animations

26.2 Bullet Hit Types

To be used with function OnPlayerWeaponShot.

Value	Name
0	BULLET_HIT_TYPE_NONE
1	BULLET_HIT_TYPE_PLAYER
2	BULLET_HIT_TYPE_VEHICLE
3	BULLET_HIT_TYPE_OBJECT
4	BULLET_HIT_TYPE_PLAYER_OBJECT

Read More: https://open.mp/docs/scripting/resources/bullethittypes

26.3 Camera Cut Styles

Camera Cut Styles to be used with functions SetPlayerCameraLookAt, InterpolateCameraPos and InterpolateCameraLookAt.

Val	ue	Name
1		CAMERA_MOVE
2		CAMERA_CUT

Read More: https://open.mp/docs/scripting/resources/cameracutstyles

26.4 Component Slots

All available component slots for vehicle customization.

To be used with function GetVehicleComponentInSlot(vehicleid, slot);

Value	Name
0	CARMODTYPE_SPOILER
1	CARMODTYPE_HOOD
2	CARMODTYPE_ROOF
3	CARMODTYPE_SIDESKIRT
4	CARMODTYPE_LAMPS
5	CARMODTYPE_NITRO
6	CARMODTYPE_EXHAUST
7	CARMODTYPE_WHEELS
8	CARMODTYPE_STEREO
9	CARMODTYPE_HYDRAULICS
10	CARMODTYPE_FRONT_BUMPER
11	CARMODTYPE_REAR_BUMPER
12	CARMODTYPE_VENT_RIGHT
13	CARMODTYPE_VENT_LEFT

Read More: https://open.mp/docs/scripting/resources/Componentslots

26.5 Connection Status

Connection status returned as value of function NetStats_ConnectionStatus(playerid);

Value	Name	Description
0	NO_ACTION	N/A
1	DISCONNECT_ASAP	playerid exists, OnPlayerDisconnect called
2	DISCONNECT_ASAP_SILENTLY	N/A
3	DISCONNECT_ON_NO_ACK	N/A
4	REQUESTED_CONNECTION	Connection request cookie sent
5	HANDLING_CONNECTION_REQUEST	N/A
6	UNVERIFIED_SENDER	N/A
7	SET_ENCRYPTION_ON_MULTIPLE_16_BYTE_PACKET	N/A
8	CONNECTED	playerid is connected to the server

Read More: https://open.mp/docs/scripting/resources/connectionstatus

26.6 Constants List

Pre-defined constants and identifiers in various SA-MP header files.

Read More: https://open.mp/docs/scripting/resources/constants

26.7 Dialog Styles

Styles of dialog windows in SA-MP, to be used with function ShowPlayerDialog.

Style	Name
Style 0	DIALOG_STYLE_MSGBOX
Style 1	DIALOG_STYLE_INPUT
Style 2	DIALOG_STYLE_LIST
Style 3	DIALOG_STYLE_PASSWORD
Style 4	DIALOG_STYLE_TABLIST
Style 5	DIALOG_STYLE_TABLIST_HEADERS

Read More: https://open.mp/docs/scripting/resources/dialogstyles

26.8 Fighting Styles

Fighting Styles to be used with functions SetPlayerFightingStyle (playerid, style) and GetPlayerFightingStyle.

Value	Name
4	FIGHT_STYLE_NORMAL
5	FIGHT_STYLE_BOXING
6	FIGHT_STYLE_KUNGFU
7	FIGHT_STYLE_KNEEHEAD
15	FIGHT_STYLE_GRABKICK
16	FIGHT_STYLE_ELBOW

Read More: https://open.mp/docs/scripting/resources/fightingstyles

26.9 Marker Modes

To be used with function $ShowPlayerMarkers(m{mode});$

Value	Name
0	PLAYER_MARKERS_MODE_OFF
1	PLAYER_MARKERS_MODE_GLOBAL
2	PLAYER_MARKERS_MODE_STREAMED

Read More: https://open.mp/docs/scripting/resources/markermodes