

UF_CGM_ask_default_custom_colors [\(view source\)](#)

Defined in: `uf_cgm.h`

Overview

Returns the default CGM export custom colors.

Environment

Internal and External

See Also

[UF_CGM_custom_colors_t](#)

History

Originally released in NX3.0.

Required License(s)

gateway

```
int UF_CGM_ask_default_custom_colors
(
    UF_CGM_custom_colors_p_t custom_colors
)
```

UF_CGM_custom_colors_p_t	custom_colors	Output	The custom colors
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UF_CGM_ask_default_custom_widths [\(view source\)](#)

Defined in: `uf_cgm.h`

Overview

Returns the default CGM export custom widths.

Environment

Internal and External

See Also

[UF_CGM_custom_widths_t](#)

History

Originally released in NX3.0.

Required License(s)

gateway

```
int UF_CGM_ask_default_custom_widths
(
    UF_CGM_custom_widths_p_t custom_widths
)
```

UF_CGM_custom_widths_p_t	custom_widths	Output	The custom widths
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UF_CGM_ask_default_export_options [\(view source\)](#)

Defined in: `uf_cgm.h`

Overview

Returns the default CGM export option settings.

Environment

Internal and External

See Also

[UF_CGM_export_options_t](#)

History

Originally released in NX3.0.

Required License(s)

gateway

```
int UF_CGM_ask_default_export_options
(
    UF_CGM_export_options_p_t export_options
)
```

<code>UF_CGM_export_options_p_t</code>	<code>export_options</code>	Output	The options
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UF_CGM_ask_session_custom_colors [\(view source\)](#)

Defined in: `uf_cgm.h`

Overview

Returns the current CGM export custom colors for the session.

Environment

Internal and External

See Also

[UF_CGM_custom_colors_t](#)

History

Originally released in NX3.0.

Required License(s)

gateway

```
int UF_CGM_ask_session_custom_colors
(
    UF_CGM_custom_colors_p_t custom_colors
)
```

<code>UF_CGM_custom_colors_p_t</code>	<code>custom_colors</code>	Output	The custom colors
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UF_CGM_ask_session_custom_widths [\(view source\)](#)

Defined in: `uf_cgm.h`

Overview

Returns the current CGM export custom widths for the session.

Environment

Internal and External

See Also

[UF_CGM_custom_widths_t](#)

History

Originally released in NX3.0.

Required License(s)

gateway

```
int UF_CGM_ask_session_custom_widths
(
    UF_CGM_custom_widths_p_t custom_widths
)
```

<code>UF_CGM_custom_widths_p_t</code>	<code>custom_widths</code>	Output	The custom widths
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UF_CGM_ask_session_export_options [\(view source\)](#)

Defined in: `uf_cgm.h`

Overview

Returns the current CGM export option settings for the session.

Environment

Internal and External

See Also

[UF_CGM_export_options_t](#)

History

Originally released in NX3.0.

Required License(s)

gateway

```
int UF_CGM_ask_session_export_options
(
    UF_CGM_export_options_p_t export_options
)
```

UF_CGM_export_cgm (view source)

Defined in: uf_cgm.h

Overview

Exports a CGM file with the specified name. Suffix .cgm is appended to the name if not present. If a CGM file of the same name already exists, it is overwritten. The drawing sheet provided must be in the displayed part.

Environment

Internal and External

See Also

UF_CGM_export_options_t

History

Originally released in NX3.0.

Required License(s)

gateway

```
int UF_CGM_export_cgm
(
    tag_t drawing_sheet,
    UF_CGM_export_options_p_t export_options,
    const char * file_name
)
```

tag_t	drawing_sheet	Input	The tag of the drawing sheet to export. If set to NULL_TAG, the current display image is exported instead.
UF_CGM_export_options_p_t	export_options	Input	Specifies export options. If NULL, current session export options are used instead. If non-NULL, call UF_CGM_ask_default_export_options or UF_CGM_ask_session_export_options to initialize the structure before setting structure fields. Current session export options are not modified by structure values.
const char *	file_name	Input	The CGM filename

UF_CGM_import_cgm (view source)

Defined in: `uf_cgm.h`

Overview

Imports the CGM file with the specified name.

Environment

Internal and External

See Also

[UF_CGM_import_options_t](#)

History

Originally released in NX3.0.

Required License(s)

gateway

```
int UF_CGM_import_cgm
(
    char * file_name,
    UF_CGM_import_options_p_t import_options
)
```

<code>char *</code>	<code>file_name</code>	Input	The CGM filename
<code>UF_CGM_import_options_p_t</code>	<code>import_options</code>	Input	Specifies import options. If NULL, default import options are used instead. If non-NULL, call <code>UF_CGM_init_import_options</code> to initialize the structure before setting structure fields.

UF_CGM_init_import_options [\(view source\)](#)

Defined in: `uf_cgm.h`

Overview

Initializes the fields of a `UF_CGM_import_options_t` structure to default values. Call this function before setting structure fields in preparation to call `UF_CGM_import_cgm`.

Environment

Internal and External

See Also

[UF_CGM_import_options_t](#)

History

Originally released in NX3.0.

Required License(s)

gateway

```
int UF_CGM_init_import_options
(
    UF_CGM_import_options_p_t import_options
)
```

UF_CGM_import_options_p_t	import_options	Output	The options
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UF_CGM_register_callbacks [\(view source\)](#)

Defined in: `uf_cgm.h`

Overview

Registers functions to be called when exporting a CGM starts or stops.

Environment

Internal and External

History

Originally released in NX6.0.4

Required License(s)

gateway

```
int UF_CGM_register_callbacks
(
    UF_CGM_pre_export_f_t pre_export,
    UF_CGM_post_export_f_t post_export,
    UF_CGM_export_error_f_t export_error
)
```

UF_CGM_pre_export_f_t	pre_export	Input	The function to be called when a CGM export is started.
UF_CGM_post_export_f_t	post_export	Input	The function to be called when a CGM export is finished.
UF_CGM_export_error_f_t	export_error	Input	The function to be called when a CGM export gets an error.

UF_CGM_set_session_custom_colors [\(view source\)](#)

Defined in: `uf_cgm.h`

Overview

Modifies the current CGM export custom colors for the session. Call one of the following functions to initialize the `UF_CGM_custom_colors_t` structure before setting structure fields.

```
UF_CGM_ask_default_custom_colors
UF_CGM_ask_session_custom_colors
UF_PLOT_ask_drawing_sheet_colors
```

UF_PLOT_read_custom_colors_from_cdf

Environment

Internal and External

See Also

[UF_CGM_custom_colors_t](#)

History

Originally released in NX3.0.

Required License(s)

gateway

```
int UF_CGM_set_session_custom_colors
(
    UF_CGM_custom_colors_p_t custom_colors
)
```

UF_CGM_custom_colors_p_t	custom_colors	Input	The custom colors
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UF_CGM_set_session_custom_widths [\(view source\)](#)

Defined in: `uf_cgm.h`

Overview

Modifies the current CGM export custom widths for the session. Call one of the following functions to initialize the `UF_CGM_custom_widths_t` structure before setting structure fields.

```
UF_CGM_ask_default_custom_widths
UF_CGM_ask_session_custom_widths
UF_PLOT_ask_drawing_sheet_widths
UF_PLOT_read_custom_widths_from_wdf
```

Environment

Internal and External

See Also

[UF_CGM_custom_widths_t](#)

History

Originally released in NX3.0.

Required License(s)

gateway

```
int UF_CGM_set_session_custom_widths
(
    UF_CGM_custom_widths_p_t custom_widths
)
```

UF_CGM_custom_widths_p_t	custom_widths	Input	The custom widths
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UF_CGM_set_session_export_options [\(view source\)](#)

Defined in: `uf_cgm.h`

Overview

Modifies the current CGM export option settings for the session. Call `UF_CGM_ask_default_export_options` or `UF_CGM_ask_session_export_options` to initialize the `UF_CGM_export_options_t` structure before setting structure fields.

Environment

Internal and External

See Also

[UF_CGM_export_options_t](#)

History

Originally released in NX3.0.

Required License(s)

gateway

```
int UF_CGM_set_session_export_options
(
    UF_CGM_export_options_p_t export_options
)
```

<code>UF_CGM_export_options_p_t</code>	<code>export_options</code>	Input	The options
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UF_CGM_unregister_callbacks [\(view source\)](#)

Defined in: `uf_cgm.h`

Overview

Unregisters functions to be called when exporting a CGM starts or stops.

Environment

Internal and External

History

Originally released in NX6.0.4

Required License(s)

gateway

```
int UF_CGM_unregister_callbacks
(
    UF_CGM_pre_export_f_t pre_export,
    UF_CGM_post_export_f_t post_export,
    UF_CGM_export_error_f_t export_error
)
```


)

UF_CGM_pre_export_f_t	pre_export	Input	The function previously registered to be called when a CGM export is started.
UF_CGM_post_export_f_t	post_export	Input	The function previously registered to be called when a CGM export is finished.
UF_CGM_export_error_f_t	export_error	Input	The function previously registered to be called when a CGM export gets an error.
