UF_PLIST_add_object (view source)

Defined in: uf_plist.h

Overview

Add an object to a parts list. The following describes the behaviors for
each type of object added:

Component Add the component as a parts list member. If
add_components_as_subassemblies is TRUE, then
the components will be added as subassemblies
to the parts list. This will cause all of the
components that are descendents of the added
component to be added to the parts list.
Solid body Add the solid body as a parts list member.
Curve (line, circle or spline) Add the curve as a parts list member.
Member view Associate the parts list with the given member
view. This will cause the view to be automatically
populated with callout symbols if the related
parts list preferences are set.

Required License(s)

drafting

```
int UF_PLIST_add_object
(
    tag_t parts_list,
    logical add_components_as_subassemblies,
    tag_t object
)
```

tag_t	**parts_list**	Input	Parts list
logical	**add_components_as_subassemblies**	Input	If TRUE, components are added as subassemblies
tag_t	**object**	Input	Object to add

UF_PLIST_ask_attached_rows (view source)

Defined in: uf_plist.h

Overview

Get the attached parts list rows that are children of the specified
parts list or row

Required License(s)

gateway

```
int UF_PLIST_ask_attached_rows
(
    tag_t parent,
    int * nm_rows,
    tag_t * * children_rows
)
```

tag_t	**parent**	Input	Parts list or parts list row
int *	**nm_rows**	Output	Number of children_rows
tag_t * *	**children_rows**	Output to UF_*free*	Children rows

UF_PLIST_ask_col_prefs (view source)

Defined in: uf_plist.h

Overview

Ask the preferences for a column

Required License(s)

gateway

```
int UF_PLIST_ask_col_prefs
(
    tag_t col,
    UF_PLIST_col_prefs_p_t col_prefs
)
```

tag_t	**col**	Input	The column we want the preferences for
UF_PLIST_col_prefs_p_t	**col_prefs**	Output	The preferences for the column

UF_PLIST_ask_default_col_prefs (view source)

Defined in: uf_plist.h

Overview

Retrieves the default column preferences

Required License(s)

gateway

```
int UF_PLIST_ask_default_col_prefs
(
    UF_PLIST_col_prefs_p_t col_prefs
)
```

UF_PLIST_col_prefs_p_t	**col_prefs**	Output	The default column preferences

UF_PLIST_ask_default_prefs (view source)

Defined in: uf_plist.h

Overview

Retrieves the default parts list preferences

Required License(s)

gateway

```
int UF_PLIST_ask_default_prefs
(
    UF_PLIST_prefs_p_t plist_prefs
)
```

UF_PLIST_prefs_p_t	**plist_prefs**	Output	The default parts list preferences

---

UF_PLIST_ask_ldr_method (view source)

Defined in: uf_plist.h

Overview

Get the method for displaying the locked deleted row of the parts list

Parameters :
tag_t row <I> The object identifier for the row
int ldr_method <O> The display method used for locked deleted row
= 1 -> Strike thru
= 2 -> Blanked
= 3 -> Hidden
= 4 -> Ordinary
= -1 -> The row is not locked and deleted

Return code :
= 0 : successful
> 0 : failing error number
< 0 : failing error number

History

Added in NX602

```
int UF_PLIST_ask_ldr_method
(
    tag_t row,
    int * ldr_method
)
```

tag_t	**row**	Input	Parts list row
int *	**ldr_method**	Output	Display method

UF_PLIST_ask_nested_assy_parent_comp (view source)

Defined in: uf_plist.h

Overview

Get the nested assemblies parent component

Required License(s)

gateway

```
int UF_PLIST_ask_nested_assy_parent_comp
(
    tag_t column,
    tag_t * component
)
```

tag_t	**column**	Input	Part List column to for nested assy. This must be a quantity column.
tag_t *	**component**	Output	Parent component

UF_PLIST_ask_objects (view source)

Defined in: uf_plist.h

Overview

List objects associated to a parts list. This includes all members and member views.

History

Initially released in NX2.0.0.

Required License(s)

gateway

```
int UF_PLIST_ask_objects
(
    tag_t parts_list,
    int * nm_objects,
    tag_t * * objects
)
```

tag_t	**parts_list**	Input	Parts list
int *	**nm_objects**	Output	Number of objects
tag_t * *	**objects**	Output to UF_*free*	

UF_PLIST_ask_prefs (view source)

Defined in: uf_plist.h

Overview

Get the parts list preferences of a parts list

Required License(s)

gateway

```
int UF_PLIST_ask_prefs
(
    tag_t parts_list,
    UF_PLIST_prefs_p_t prefs
)
```

tag_t	**parts_list**	Input	Parts list
UF_PLIST_prefs_p_t	**prefs**	Output	Parts list preferences

UF_PLIST_ask_row_lock (view source)

Defined in: uf_plist.h

Overview

Get the lock state of a parts list row

Required License(s)

gateway

```
int UF_PLIST_ask_row_lock
(
    tag_t row,
    logical * lock_state
)
```

tag_t	**row**	Input	Parts list row
logical *	**lock_state**	Output	Lock state

UF_PLIST_ask_tags (view source)

Defined in: uf_plist.h

Overview

Get the object identifiers of the parts lists. This causes the parts list object to be created if necessary.

History

Added in NX602

Required License(s)

drafting

```
int UF_PLIST_ask_tags
(
    tag_p_t * parts_list,
    int * num
)
```

tag_p_t *	**parts_list**	Output to UF_*free*	Tags of Parts Lists. This array must be freed by calling UF_free
int *	**num**	Output	Number of Parts Lists

UF_PLIST_ask_traversal_settings (view source)

Defined in: uf_plist.h

Overview

Get the traversal settings of a parts list

Required License(s)

gateway

```
int UF_PLIST_ask_traversal_settings
(
    tag_t parts_list,
    UF_PLIST_traversal_settings_p_t traversal_settings
)
```

tag_t	**parts_list**	Input	Parts list
UF_PLIST_traversal_settings_p_t	**traversal_settings**	Output	Traversal settings

---

UF_PLIST_attach_rows (view source)

Defined in: uf_plist.h

Overview

Attach or detach parts list rows

Required License(s)

drafting

```
int UF_PLIST_attach_rows
(
    tag_t parent_row,
    int nm_rows,
    tag_t * children_rows
)
```

tag_t	**parent_row**	Input	Parts list row that will become the parent. If equal to NULL_TAG, attach to the bottom of the parts list.
int	**nm_rows**	Input	Number of children_rows. If set to zero, any rows previously attached will become unattached
tag_t *	**children_rows**	Input	Rows that will become the children rows

UF_PLIST_create (view source)

Defined in: uf_plist.h

Overview

Create a generic parts list (one with three columns: a callout column, a general column with a $PART_NAME attribute and a quantity column)

Required License(s)

drafting

```
int UF_PLIST_create
(
    UF_PLIST_prefs_p_t prefs,
    double origin [ 3 ] ,
    tag_t * parts_list
)
```

UF_PLIST_prefs_p_t	**prefs**	Input	Parts list preferences
double	**origin [3]**	Input	Origin
tag_t *	**parts_list**	Output	New parts list

UF_PLIST_create_column (view source)

Defined in: uf_plist.h

Overview

Create a parts list column. The column can later be added to a parts list using UF_TABNOT_add_column.

Required License(s)

drafting

```
int UF_PLIST_create_column
(
    double width,
    UF_PLIST_col_prefs_p_t col_prefs,
    UF_PLIST_column_type_t column_type,
    tag_t * column
)
```

double	**width**	Input	Column width
UF_PLIST_col_prefs_p_t	**col_prefs**	Input	Column preferences
UF_PLIST_column_type_t	**column_type**	Input	Column type
tag_t *	**column**	Output	New column

UF_PLIST_create_from_template (view source)

Defined in: uf_plist.h

Overview

Create a parts list from a template

Required License(s)

drafting

```
int UF_PLIST_create_from_template
(
    const char * template_name,
    double origin [ 3 ] ,
    tag_t * parts_list
)
```

const char *	**template_name**	Input	Name of template part
double	**origin [3]**	Input	Origin
tag_t *	**parts_list**	Output	New parts list

UF_PLIST_create_manual_row (view source)

Defined in: uf_plist.h

Overview

Create a manual parts list row. The row can later be added to a parts list using UF_TABNOT_add_row.

Required License(s)

drafting

```
int UF_PLIST_create_manual_row
(
    double height,
    tag_t * row
)
```

double	**height**	Input	Row height
tag_t *	**row**	Output	New row

UF_PLIST_list (view source)

Defined in: uf_plist.h

Overview

Lists the parts list to the current listing device. This takes into consideration any additions or removals from the parts list, any changes to: the member attributes, the parts list format, or the output modes like sorting and callouts.

Return

Error code:
0 = Success
1 = No parts list members
2 = No key or quantity field defined
> 2 = Some other output error

Environment

Internal and External

Required License(s)

drafting

```
int UF_PLIST_list
(
    tag_t obj_id
)
```

tag_t	**obj_id**	Input	The object identifier of the parts list.

UF_PLIST_list_to_file (view source)

Defined in: uf_plist.h

Overview

Lists the parts list to the specified output file. This takes into consideration any additions or removals from the parts list, any changes to: the member attributes, the parts list format, or the output modes like sorting and callouts.

Parameters:
tag_t obj_id <I> The object identifier of the parts list.
char out_filename <I> Filename of output file.
int new_file <I> Boolean where
0 -> append to existing out_filename
1 -> write to new out_filename
char plist_level <I> Parts list level string

Return

Error code:
0 = Success
1 = No parts list members
2 = No key or quantity field defined
> 2 = Some other output error

Environment

Internal and External

Required License(s)

drafting

```
int UF_PLIST_list_to_file
(
    tag_t obj_id,
    const char * out_filename,
    int new_file,
    const char * plist_level
)
```

tag_t	**obj_id**	Input	The object identifier of the parts list
const char *	**out_filename**	Input	Filename of output file
int	**new_file**	Input	Boolean for output
const char *	**plist_level**	Input	Parts list level string

UF_PLIST_remove_object (view source)

Defined in: uf_plist.h

Overview

Remove an object to a parts list. See the documentation for UF_PLIST_add_object for information on the types of objects that can be added or removed.

Required License(s)

drafting

```
int UF_PLIST_remove_object
(
    tag_t parts_list,
    logical remove_components_as_subassemblies,
    tag_t object
)
```

tag_t	**parts_list**	Input	Parts list
logical	**remove_components_as_subassemblies**	Input	If TRUE, components are removed as subassemblies
tag_t	**object**	Input	Object to remove

UF_PLIST_set_col_prefs (view source)

Defined in: uf_plist.h

Overview

Set the preferences for a column
Note: The preferences are only applied to new cells that get added to the column. Function UF_TABNOT_set_cell_prefs can be used to modify the preferences of existing cells of a column.

Required License(s)

drafting

```
int UF_PLIST_set_col_prefs
(
    tag_t col,
    UF_PLIST_col_prefs_p_t col_prefs
)
```

tag_t	**col**	Input	The column which preferences are to be set
UF_PLIST_col_prefs_p_t	**col_prefs**	Input	The preferences for the column

---

UF_PLIST_set_default_prefs (view source)

Defined in: uf_plist.h

Overview

Sets the default parts list preferences

Required License(s)

drafting

```
int UF_PLIST_set_default_prefs
(
    UF_PLIST_prefs_p_t plist_prefs
)
```

UF_PLIST_prefs_p_t	**plist_prefs**	Input	The parts list preferences to set

UF_PLIST_set_nested_assy_parent_comp (view source)

Defined in: uf_plist.h

Overview

Set the nested assemblies parent component

History

Added in NX4

Required License(s)

drafting

```
int UF_PLIST_set_nested_assy_parent_comp
(
    tag_t column,
    tag_t component
)
```

tag_t	**column**	Input	Part List column to for nested assy. This must be a quantity column.
tag_t	**component**	Input	Parent component - the component for which quantities will be counted in the specified column. For the row that represents this component, an X will display. Set this to NULL_TAG to disable nested assemblies for this column.

UF_PLIST_set_prefs (view source)

Defined in: uf_plist.h

Overview

Set the parts list preferences of a parts list

Required License(s)

drafting

```
int UF_PLIST_set_prefs
(
    tag_t parts_list,
    UF_PLIST_prefs_p_t prefs
)
```

tag_t	**parts_list**	Input	Parts list
UF_PLIST_prefs_p_t	**prefs**	Input	Parts list preferences

UF_PLIST_set_row_lock (view source)

Defined in: uf_plist.h

Overview

Set the lock state of a parts list row

Required License(s)

drafting

```
int UF_PLIST_set_row_lock
(
    tag_t row,
    logical lock_state
)
```

tag_t	**row**	Input	Parts list row
logical	**lock_state**	Input	Lock state

UF_PLIST_set_traversal_settings (view source)

Defined in: uf_plist.h

Overview

Set the traversal settings of a parts list

Required License(s)

drafting

```
int UF_PLIST_set_traversal_settings
(
    tag_t parts_list,
    UF_PLIST_traversal_settings_p_t traversal_settings
)
```

tag_t	**parts_list**	Input	Parts list
UF_PLIST_traversal_settings_p_t	**traversal_settings**	Input	Traversal settings

UF_PLIST_update (view source)

Defined in: uf_plist.h

Overview

Update a parts list

History

Added in NX4

Required License(s)

drafting

```
int UF_PLIST_update
(
    tag_t parts_list
)
```

tag_t	**parts_list**	Input	Parts list

UF_PLIST_update_all_plists (view source)

Defined in: uf_plist.h

Overview

Update all parts list in the work part

History

Added in NX6

Required License(s)

drafting

```
int UF_PLIST_update_all_plists
(

)
```
