Foxit PDF SDK for Mac Objective-C 8.4.2 Upgrade Warnings

This document contains a list of items that developers looking to upgrade to Foxit PDF SDK for Mac Objective-C 8.4.2 from previous version should pay attention to. Changes to code may be required in order for your projects to compile using the new version.

Upgrading to version 8.4.2 from version 8.4.1

There are no upgrade warnings when moving from version 8.4.1 to version 8.4.2. In this release we worked hard to ensure that no modifications to existing code bases would be required when upgrading.

Upgrading to version 8.4.1 from version 8.4

There is only one minor upgrade warning in this release when moving from version 8.4 to version 8.4.1:

- For HTML to PDF module, the HTML to PDF engine has been upgraded, please contact Foxit support team or sales team to get the latest engine files package.

Upgrading to version 8.4 from version 8.3

If you are upgrading from version 8.3 to version 8.4, please take note of the changes that occurred between version 8.3 and version 8.4.

- In **FSActionCallback** protocol:

    1. Add thirty-one new callback functions as below:

```
-(void)setCurrentPage:(FSPDFDoc*)document
destination:(FSDestination*)destination;virtual Destination.ZoomMode
GetPageZoomMode()
-(void)closeDoc:(FSPDFDoc*)document is_prompt_to_save:(BOOL)is_prompt_to_save;
-(BOOL)isLocalFile:(FSPDFDoc*)document;
-(NSString*)getAttachmentsFilePath:(FSPDFDoc*)pdf_doc name:(NSString*)name;
-(NSString*)getExtractedEmbeddedFilePath:(FSPDFDoc*)pdf_doc name:(NSString*)name;
-(BOOL)print:(FSPDFDoc*)document print_params:(FSPrintParams*)print_params;
-(NSString*)getUntitledBookmarkName;
-(NSArray<NSString*>*)getPrinterNameList;
-(BOOL)addToolButton:(FSButtonItem*)button_item;
```

```
-(BOOL)removeToolButtom:(NSString*)button_name;
-(FSMenuListArray*) getMenuItemNameList;
-(BOOL) addMenuItem:(FSMenuItemConfig*)menu_item_config
is_prepend:(BOOL)is_prepend;
-(BOOL) addSubMenu:(FSMenuItemConfig*)menu_item_config;
-(BOOL) showDialog:(FSDialogDescriptionConfig*)dlg_config;
-(BOOL) getFullScreen;
-(void) setFullScreen:(BOOL)is_full_screen;
-(void) onFieldValueChanged:(NSString*)field_name
type:(FSActionCallbackJSFieldValueChangeType)type
value_before_changed:(NSArray<NSString*>*)value_before_changed
value_after_changed:(NSArray<NSString*>*)value_after_changed;
-(void)updateLogicalLabel;
-(FSActionCallbackJsMailResult)mailDoc:(FSPDFDoc*)document
to_address:(NSString*)to_address cc_address:(NSString*)cc_address
bcc_address:(NSString*)bcc_address subject:(NSString*)subject
message:(NSString*)message is_ui:(BOOL)is_ui;
-(NSString*)getTemporaryFileName:(FSPDFDoc*)document
file_name:(NSString*)file_name;
-(id<FSMediaPlayerCallback>) openMediaPlayer:(FSPlayerArgs*)player_args;
-(NSString*)getTemporaryDirectory;
-(void)scroll:(FSPointF*)point;
-(void)selectPageNthWord:(int)page_index word_index:(int)word_index
is_show_selection:(BOOL)is_show_selection;
-(FSPointF*)getMousePosition;
-(FSRectF*)getPageWindowRect;
-(FSActionCallbackLayoutMode)getLayoutMode;
-(void)setLayoutMode:(FSActionCallbackLayoutMode)layout_mode
is_cover_mode:(BOOL)is_cover_mode;
-(float)getPageScale;
-(void)setPageScale:(FSDestinationZoomMode)zoom_mode dest:(FSDestination*)dest;
-(FSDestinationZoomMode)getPageZoomMode;
```

- In **FSPDFPage** class:

  1. The function **Transform** has added a new parameter as below:

     SDK 8.3:

```
-(BOOL)transform: (FSMatrix2D*)matrix need_transform_clip_path:
(BOOL)need_transform_clip_path need_transform_annotations;
```

SDK 8.4:

```
-(BOOL)transform: (FSMatrix2D*)matrix need_transform_clip_path:
    (BOOL)need_transform_clip_path need_transform_annotations:
    (BOOL)need_transform_annotations;
```

- Remove **FSPagingSeal** class.

Upgrading to version 8.3 from version 8.2

If you are upgrading from version 8.2 to version 8.3, please take note of the changes that occurred between version 8.2 and version 8.3.

- For HTML to PDF module, the HTML to PDF engine has been upgraded, please contact Foxit support team or sales team to get the latest engine files package.
- In **FSFreeText** class, the following property has been deprecated:

```
- (FSAlignment) alignment
```

- In **FSActionCallback** protocol:

1. the function **popupMenu** has added a new parameter as below:

   SDK 8.2:

   ```
   - (NSString*) popupMenu: (FSMenuListArray *)  menus
   ```

   SDK 8.3:

   ```
   - (NSString*) popupMenu: (FSMenuListArray *)  menus
       is_selected_item: (NSNumber **) is_selected_item
   ```

2. the function **SubmitForm** has added a new parameter as below:

   SDK 8.2:

   ```
   - (BOOL) submitForm: (FSPDFDoc *) document
       form_data: (NSData *) form_data
       url: (NSString *) url
   ```

   SDK 8.3:

   ```
   - (BOOL) submitForm: (FSPDFDoc *) document
       form_data: (NSData *) form_data
       url: (NSString *)   url
       file_format_type: (FSFileFormatType) file_format_type
   ```

3. add a new callback function as below:

```
- (FSMenuItemEx*) popupMenuEx: (FSMenuItemExArray *) menus
      is_selected_item:  (NSNumber **) is_selected_item
```

- In **FSHTML2PDFSettingData** class:

1. the constructor function has added new parameters as below:

SDK 8.2:

```
- (id) initWithPage_width:          (float)          page_width
page_height:                       (float)          page_height
is_to_page_scale:                  (BOOL)           is_to_page_scale
page_margin:                       (FSRectF*)       page_margin
is_convert_link:                   (BOOL)           is_convert_link
rotate_degrees:                    (FSRotation)     rotate_degrees
is_generate_tag:                   (BOOL)           is_generate_tag
page_mode:    (FSHTML2PDFSettingDataHTML2PDFPageMode) page_mode
to_generate_bookmarks:             (BOOL)           to_generate_bookmarks
scaling_mode: (FSHTML2PDFSettingDataHTML2PDFScalingMode) scaling_mode
```

SDK 8.3:

```
- (id) initWithPage_width:          (float)          page_width
page_height:                       (float)          page_height
is_to_page_scale:                  (BOOL)           is_to_page_scale
page_margin:                       (FSRectF*)       page_margin
is_convert_link:                   (BOOL)           is_convert_link
rotate_degrees:                    (FSRotation)     rotate_degrees
is_generate_tag:                   (BOOL)           is_generate_tag
page_mode:    (FSHTML2PDFSettingDataHTML2PDFPageMode) page_mode
to_generate_bookmarks:             (BOOL)           to_generate_bookmarks
scaling_mode: (FSHTML2PDFSettingDataHTML2PDFScalingMode) scaling_mode
encoding_format: (FSHTML2PDFSettingDataHTML2PDFEncodingFormat) encoding_format
to_render_images:                  (BOOL)           to_render_images
to_remove_underline_for_link:      (BOOL)           to_remove_underline_for_link
to_set_headerfooter:               (BOOL)           to_set_headerfooter
headerfooter_title:                (NSString *)     headerfooter_title
headerfooter_url:                  (NSString *)     headerfooter_url
bookmark_root_name:                (NSString *)     bookmark_root_name
to_resize_objects:                 (BOOL)           to_resize_objects
to_print_background:               (BOOL)           to_print_background
to_optimize_tag_tree:              (BOOL)           to_optimize_tag_tree
media_style:  (FSHTML2PDFSettingDataHTML2PDFMediaStyle) media_style
```

2. the function **set** has added new parameters as below:

SDK 8.2:

```
- (void) set:                    (float)          page_width
page_height:                     (float)          page_height
is_to_page_scale:                (BOOL)           is_to_page_scale
page_margin:                     (FSRectF*)       page_margin
is_convert_link:                 (BOOL)           is_convert_link
rotate_degrees:                  (FSRotation)     rotate_degrees
is_generate_tag:                 (BOOL)           is_generate_tag
page_mode:    (FSHTML2PDFSettingDataHTML2PDFPageMode) page_mode
to_generate_bookmarks:           (BOOL)           to_generate_bookmarks
scaling_mode: (FSHTML2PDFSettingDataHTML2PDFScalingMode) scaling_mode
```

SDK 8.3:

```
- (void) set:                    (float)          page_width
page_height:                     (float)          page_height
is_to_page_scale:                (BOOL)           is_to_page_scale
page_margin:                     (FSRectF*)       page_margin
is_convert_link:                 (BOOL)           is_convert_link
rotate_degrees:                  (FSRotation)     rotate_degrees
is_generate_tag:                 (BOOL)           is_generate_tag
page_mode:    (FSHTML2PDFSettingDataHTML2PDFPageMode) page_mode
to_generate_bookmarks:           (BOOL)           to_generate_bookmarks
scaling_mode: (FSHTML2PDFSettingDataHTML2PDFScalingMode) scaling_mode
encoding_format: (FSHTML2PDFSettingDataHTML2PDFEncodingFormat) encoding_format
to_render_images:                (BOOL)           to_render_images
to_remove_underline_for_link:    (BOOL)           to_remove_underline_for_link
to_set_headerfooter:             (BOOL)           to_set_headerfooter
headerfooter_title:              (NSString *)     headerfooter_title
headerfooter_url:                (NSString *)     headerfooter_url
bookmark_root_name:              (NSString *)     bookmark_root_name
to_resize_objects:               (BOOL)           to_resize_objects
to_print_background:             (BOOL)           to_print_background
to_optimize_tag_tree:            (BOOL)           to_optimize_tag_tree
media_style:  (FSHTML2PDFSettingDataHTML2PDFMediaStyle) media_style
```

Upgrading to version 8.2 from version 8.1

If you are upgrading from version 8.1 to version 8.2, please take note of the changes that occurred between version 8.1 and version 8.2.

- For Compliance module, the compliance resource files have been updated, please contact Foxit support team or sales team to get the latest resource files package.
- For HTML to PDF module, the HTML to PDF engine has been upgraded, please contact Foxit support team or sales team to get the latest engine files package.

- In **FSFillerAssistCallback** protocol, add a new callback function as below:

```
- (void) reportInvalidValue: (NSString *)      form_field_name
                invalid_value: (NSString *)    invalid_value
```

- In **FSHTML2PDFSettingData** class:

  1. the constructor function has added a new parameter as below:

     SDK 8.1:

```
- (id) initWithPage_width:    (float)          page_width
page_height:                  (float)          page_height
is_to_page_scale:             (BOOL)           is_to_page_scale
page_margin:                  (FSRectF*)       page_margin
is_convert_link:              (BOOL)           is_convert_link
rotate_degrees:               (FSRotation)     rotate_degrees
is_generate_tag:              (BOOL)           is_generate_tag
page_mode: (FSHTML2PDFSettingDataHTML2PDFPageMode) page_mode
to_generate_bookmarks:        (BOOL)           to_generate_bookmarks
```

     SDK 8.2:

```
- (id) initWithPage_width:    (float)          page_width
page_height:                  (float)          page_height
is_to_page_scale:             (BOOL)           is_to_page_scale
page_margin:                  (FSRectF*)       page_margin
is_convert_link:              (BOOL)           is_convert_link
rotate_degrees:               (FSRotation)     rotate_degrees
is_generate_tag:              (BOOL)           is_generate_tag
page_mode: (FSHTML2PDFSettingDataHTML2PDFPageMode) page_mode
to_generate_bookmarks:        (BOOL)           to_generate_bookmarks
scaling_mode: (FSHTML2PDFSettingDataHTML2PDFScalingMode) scaling_mode
```

  2. the function **set** has added a new parameter as below:

     SDK 8.1:

```
- (void) set:                 (float)          page_width
page_height:                  (float)          page_height
is_to_page_scale:             (BOOL)           is_to_page_scale
page_margin:                  (FSRectF*)       page_margin
is_convert_link:              (BOOL)           is_convert_link
rotate_degrees:               (FSRotation)     rotate_degrees
is_generate_tag:              (BOOL)           is_generate_tag
page_mode: (FSHTML2PDFSettingDataHTML2PDFPageMode) page_mode
```

to_generate_bookmarks:	(BOOL)	to_generate_bookmarks

SDK 8.2:

- (void) set:	(float)	page_width
page_height:	(float)	page_height
is_to_page_scale:	(BOOL)	is_to_page_scale
page_margin:	(FSRectF*)	page_margin
is_convert_link:	(BOOL)	is_convert_link
rotate_degrees:	(FSRotation)	rotate_degrees
is_generate_tag:	(BOOL)	is_generate_tag
page_mode: (FSHTML2PDFSettingDataHTML2PDFPageMode) page_mode		
to_generate_bookmarks:	(BOOL)	to_generate_bookmarks
scaling_mode: (FSHTML2PDFSettingDataHTML2PDFScalingMode) scaling_mode		

Upgrading to version 8.1 from version 8.0

If you are upgrading from version 8.0 to version 8.1, please take note of the changes that occurred between version 8.0 and version 8.1.

- In **FSFillerAssistCallback** protocol, add seven callback functions as below:

```
- (void *) createPopupMenu

- (BOOL) appendPopupMenuItem:(const void *) h_popup_menu
        popup_menu_item: (FSFillerAssistCallbackPopupMenuItem) popup_menu_item
        default_string: (NSString *) default_string

- (BOOL) enablePopupMenuItem: (const void *) h_popup_menu
        popup_menu_item: (FSFillerAssistCallbackPopupMenuItem) popup_menu_item
        is_enabled: (BOOL) is_enabled

- (BOOL) showPopupMenu: (const void *) h_popup_menu
        point: (FSPointF *) point

- (void) destroyPopupMenu: (const void *) h_popup_menu

- (void) setClipboardText: (NSString *) text

- (NSString*) getClipboardText
```

- In **FSIdentityProperties** class:

  1. add four properties as below:

```
NSString * department

NSString * first_name

NSString * last_name
```

```
NSString * title
```

2. the constructor function of **FSIdentityProperties** has added four new parameters as below:

   SDK 8.0:

```
- (id) initWithCorporation: (NSString *)  corporation
      email: (NSString *) email
      login_name: (NSString *) login_name
      name: (NSString *) name
```

   SDK 8.1:

```
- (id) initWithCorporation: (NSString *)  corporation
      email: (NSString *) email
      login_name: (NSString *) login_name
      name: (NSString *) name
      first_name: (NSString *) first_name
      last_name: (NSString *) last_name
      title: (NSString *) title
      department: (NSString *) department
```

3. the function **set** has added four new parameters as below:

   SDK 8.0:

```
- (void) set: (NSString *) corporation
      email:          (NSString *)    email
      login_name:     (NSString *)    login_name
      name:           (NSString *)    name
```

   SDK 8.1:

```
- (void) set: (NSString *) corporation
      email:          (NSString *)    email
      login_name:     (NSString *)    login_name
      name:           (NSString *)    name
      first_name:     (NSString *)    first_name
      last_name:      (NSString *)    last name
      title:          (NSString *)    title
      department:     (NSString *)    department
```

- In **FSActionCallback** protocol, add a new callback function as below:

```
- (BOOL) setIdentityProperties: (FSIdentityProperties *) identity_properties
```

Upgrading to version 8.0 from version 7.6

There are two minor upgrade warnings in this release when moving from version 7.6 to version 8.0:

- In **FSHTML2PDFSettingData** class, the constructor function has added a new parameter as below:

  SDK 7.6:

```
- (id) initWithPage_width:          (float)                          page_width
page_height:                        (float)                          page_height
is_to_page_scale:                   (BOOL)                           is_to_page_scale
page_margin:                        (FSRectF*)                       page_margin
is_convert_link:                    (BOOL)                           is_convert_link
rotate_degrees:                     (FSRotation)                     rotate_degrees
is_generate_tag:                    (BOOL)                           is_generate_tag
page_mode:      (FSHTML2PDFSettingDataHTML2PDFPageMode) page_mode
```

  SDK 8.0:

```
- (id) initWithPage_width:          (float)                          page_width
page_height:                        (float)                          page_height
is_to_page_scale:                   (BOOL)                           is_to_page_scale
page_margin:                        (FSRectF*)                       page_margin
is_convert_link:                    (BOOL)                           is_convert_link
rotate_degrees:                     (FSRotation)                     rotate_degrees
is_generate_tag:                    (BOOL)                           is_generate_tag
page_mode:      (FSHTML2PDFSettingDataHTML2PDFPageMode) page_mode
to_generate_bookmarks:              (BOOL)                           to_generate_bookmarks
```

- In **FSPDFPage** class, the function **addSignatureWithSignatureType** has added a new parameter as below:

  SDK 7.6:

```
- (FSSignature *) addSignatureWithSignatureType:     (FSRectF*)          rect
                  field_name:                        (NSString *)        field_name
                  signature_type:     (FSSignatureSignatureType)         signature_type
```

  SDK 8.0:

```
- (FSSignature *) addSignatureWithSignatureType:     (FSRectF*)          rect
                  field_name:                        (NSString *)        field_name
```

signature_type:	(FSSignatureSignatureType)	signature_type
to_check_permission:	**(BOOL)**	**to_check_permission**

Upgrading to version 7.6 from version 7.5

There are two minor upgrade warnings in this release when moving from version 7.5 to version 7.6:

- In **FSActionCallback** protocol, add a new callback interface as below:

```
-(NSString*) browseFile: (BOOL) is_open_dialog
                file_format: (NSString*) file_format
                file_filter: (NSString*) file_filter;
```

- Remove the value (**FSLTVVerifierVerifyModeETSI**) of the enumeration **FSLTVVerifierVerifyMode**.

Upgrading to version 7.5 from version 7.4

There are two minor upgrade warnings in this release when moving from version 7.4 to version 7.5. In **FSHeaderFooter** class:

- The parameters of constructor function have been changed:

  SDK 7.4:

initWithFont:	(FSFont*)	font
text_size:	(float)	text_size
text_color:	(unsigned int)	text_color
page_range:	(FSPageNumberRange*)	page_range
page_margin:	(FSRectF*)	page_margin
has_text_shrinked:	(BOOL)	has_text_shrinked
has_fixedsize_for_print:	(BOOL)	has_fixedsize_for_print
start_page_number:	(int)	start_page_number
content:	(FSHeaderFooterContent*)	content

  SDK 7.5:

initWithFont:	(FSFont*)	font
text_size:	(float)	text_size
text_color:	(unsigned int)	text_color
page_range:	(FSPageNumberRange*)	page_range
page_margin:	(FSRectF*)	page_margin
has_text_shrinked:	(BOOL)	has_text_shrinked
has_fixedsize_for_print:	(BOOL)	has_fixedsize_for_print

start_page_number:	(int)	start_page_number
content:	(FSHeaderFooterContent*)	content
is_to_embed_font:	**(BOOL)**	**is_to_embed_font**
is_underline:	**(BOOL)**	**is_underline**

- The parameters of **set** function have been changed:

  SDK 7.4:

(void) **set**:	(FSFont*)	font
text_size:	(float)	text_size
text_color:	(unsigned int)	text_color
page_range:	(FSPageNumberRange*)	page_range
page_margin:	(FSRectF*)	page_margin
has_text_shrinked:	(BOOL)	has_text_shrinked
has_fixedsize_for_print:	(BOOL)	has_fixedsize_for_print
start_page_number:	(int)	start_page_number
content:	(FSHeaderFooterContent*)	content

  SDK 7.5:

(void) **set**:	(FSFont*)	font
text_size:	(float)	text_size
text_color:	(unsigned int)	text_color
page_range:	(FSPageNumberRange*)	page_range
page_margin:	(FSRectF*)	page_margin
has_text_shrinked:	(BOOL)	has_text_shrinked
has_fixedsize_for_print:	(BOOL)	has_fixedsize_for_print
start_page_number:	(int)	start_page_number
content:	(FSHeaderFooterContent*)	content
is_to_embed_font:	**(BOOL)**	**is_to_embed_font**
is_underline:	**(BOOL)**	**is_underline**

Upgrading to version 7.4 from version 7.3

If you are upgrading from version 7.3 to version 7.4, please take note of the changes that occurred between version 7.3 and version 7.4.

- The value (**FSMonoImageSettingsImageCompressjpeg2**) of the enumeration class **FSMonoImageSettingsMonoImageCompressMode** has been renamed to **FSMonoImageSettingsImageCompressjbig2**.
- In **FSMarkup** class:

The functions below have been removed from version 7.4:

```
-(int) getStateAnnotCount: (FSMarkupStateModel) model
-(FSNote*) getStateAnnot: (FSMarkupStateModel) model index: (int) index
```

And then add a new function as below:

```
-(FSNoteArray*) getStateAnnots: (FSMarkupStateModel) model
```

- In **FSActionCallback** protocol, add three callback functions as below:

```
-(FSPDFDoc*) getCurrentDoc
-(FSPDFDoc*) createBlankDoc
-(BOOL) openDoc: (NSString*) file_path password: (NSString*) password
```

- Some functions and attributes have been changed in version 7.4. The following table lists the APIs mapping between version 7.3 and 7.4.

Class	SDK 7.3	SDK 7.4
FSMarkup	-(FSNote*) addStateAnnot: (FSMarkupStateModel) model state: (FSMarkupState) state	-(FSNote*) addStateAnnot: **(NSString *) title model**: (FSMarkupStateModel) model state: (FSMarkupState) state;
FSPDFDoc	-(**SWIGTYPE_HeaderFooter***) getEditableHeaderFooter	-(**FSHeaderFooter***) getEditableHeaderFooter
	-(void) addHeaderFooter: (**SWIGTYPE_p_HeaderFooter***) headerfooter;	-(void) addHeaderFooter: (**FSHeaderFooter***) headerfooter;
	-(void) updateHeaderFooter: (**SWIGTYPE_p_HeaderFooter***) headerfooter	-(void) updateHeaderFooter: (**FSHeaderFooter***) headerfooter
FSTextSearch	-(id) initWithDocument: (FSPDFDoc*) document cancel: (id<FSSearchCancelCallback>) cancel	-(id) initWithDocument: (FSPDFDoc*) document cancel: (id<FSSearchCancelCallback>) cancel **flags: (int) flags**
FSFreeText	FSMatrix2D* textMatrix	deprecated

Upgrading to version 7.3 from version 7.2

If you are upgrading from version 7.2 to version 7.3, please take note of the changes that occurred between version 7.2 and version 7.3.

For the version 7.3 release of Foxit PDF SDK for Java, there are some minor changes as below:

- Change the enumeration **FSImageObjectColorSpace** to **FSColorSpaceType**.

- Change the enumeration **FSFieldFlagChoiseMultiSelect** to **FSFieldFlagChoiceMultiSelect**.
- Add a new callback function (**- (BOOL) isCertTrustedRoot: (NSData *) cert**) in the FSTrustedCertStoreCallback class.

Upgrading to version 7.2 from version 7.1

There is only one minor upgrade warning in this release when moving from version 7.1 to version 7.2. In this release we worked hard to ensure that no modifications to existing code bases would be required when upgrading.

The parameter type of the function **FSImageSettings::setQuality** has been changed as below:

SDK 7.1:

```
- (void) setQuality: (int) quality
```

SDK 7.2:

```
- (void) setQuality: (FSImageSettingsImageCompressQuality) quality
```

Upgrading to version 7.1 from version 7.0

If you are upgrading from version 7.0 to version 7.1, please take note of the changes that occurred between version 7.0 and version 7.1.

- From 7.1 version, the whole **FSConnectedPDF** class has been removed.
- Some APIs have been changed in version 7.1. Note that the APIs related to ConnectedPDF in the PDFDoc class have also been removed. The following table lists the APIs mapping between version 7.0 and 7.1.

Class	SDK 7.0	SDK 7.1
FSFont	- (**FSFontCharset**) **getCharset**:(FSPDFDoc*) document	- (**FSFontCIDCharset**) **getCIDCharset**:(FSPDFDoc*) document
FSLine	- (void) setMeasureUnit: (**int**) measure_type unit:(NSString *) unit	- (void) setMeasureUnit: (**FSMarkupMeasureType**) measure_type unit:(NSString *) unit
	- (NSString *) getMeasureUnit:(**int**) measure_type	- (NSString *) getMeasureUnit:(**FSMarkupMeasureType**) measure_type
	- (void) setMeasureConversionFactor:(**int**) measure_type factor:(float) factor	- (void) setMeasureConversionFactor:(**FSMarkupMeasureType**) measure_type factor:(float) factor
	- (float) getMeasureConversionFactor:(**int**) measure_type	- (float) getMeasureConversionFactor:(**FSMarkupMeasureType**) measure_type

Class	SDK 7.0	SDK 7.1
FSPDFDoc	- (BOOL) isCPDF	Removed
	- (BOOL) isCDRM	Removed
	- (NSString *) getDocURI	Removed
	- (NSString *) getEndpoint	Removed

Upgrading to version 7.0 from version 6.4

There are three minor upgrade warnings in this release when moving from version 6.4 to version 7.0:

- The value of enumeration **FSSignatureStateUnknown** has been changed from 0 to 0x80000000.
- The return type of **FSPDFObject::getString** has been changed from **NSString** to **NSData**.
- The functions **FSSignature::startVerify** and **FSSignatureCallback::verifySigState** are only used to verify the integrity of a signature instead of the validity of a signature, so that the return value of **verifySigState** in the default signature callback has been changed from "VALID/INVALID" to "NOCHANGE/CHANGE".

Upgrading to version 6.4 from version 6.3

There are two minor upgrade warnings in this release when moving from version 6.3 to version 6.4:

- The function **FSRenderer::setTransformAnnotIcon** has been deprecated.
- The parameter "**is_transform_icon**" of the function **FSAnnot::getDeviceRect** has been deprecated.

Upgrading to version 6.3 from version 6.2.1

There is only one minor upgrade warning in this release when moving from version 6.2.1 to version 6.3. In this release we worked hard to ensure that no modifications to existing code bases would be required when upgrading.

The property name of **FSField.defualtValue** has been changed to **FSField.defaultValue**.

Upgrading to version 6.2.1 from version 6.2

There is only one upgrade warning in this release when moving from version 6.2 to version 6.2.1. In this release we worked hard to ensure that no modifications to existing code bases would be required when upgrading.

Add a callback interface **WidgetEvent** in **FSDocProviderCallback** protocol to execute xfa widget event when you create or destroy xfa widget.