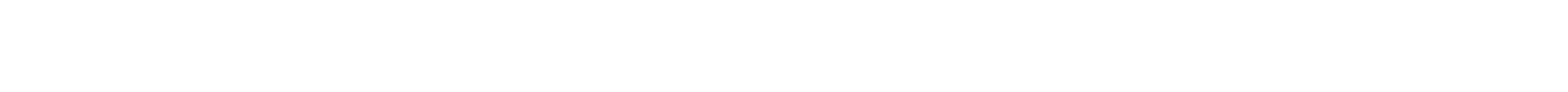
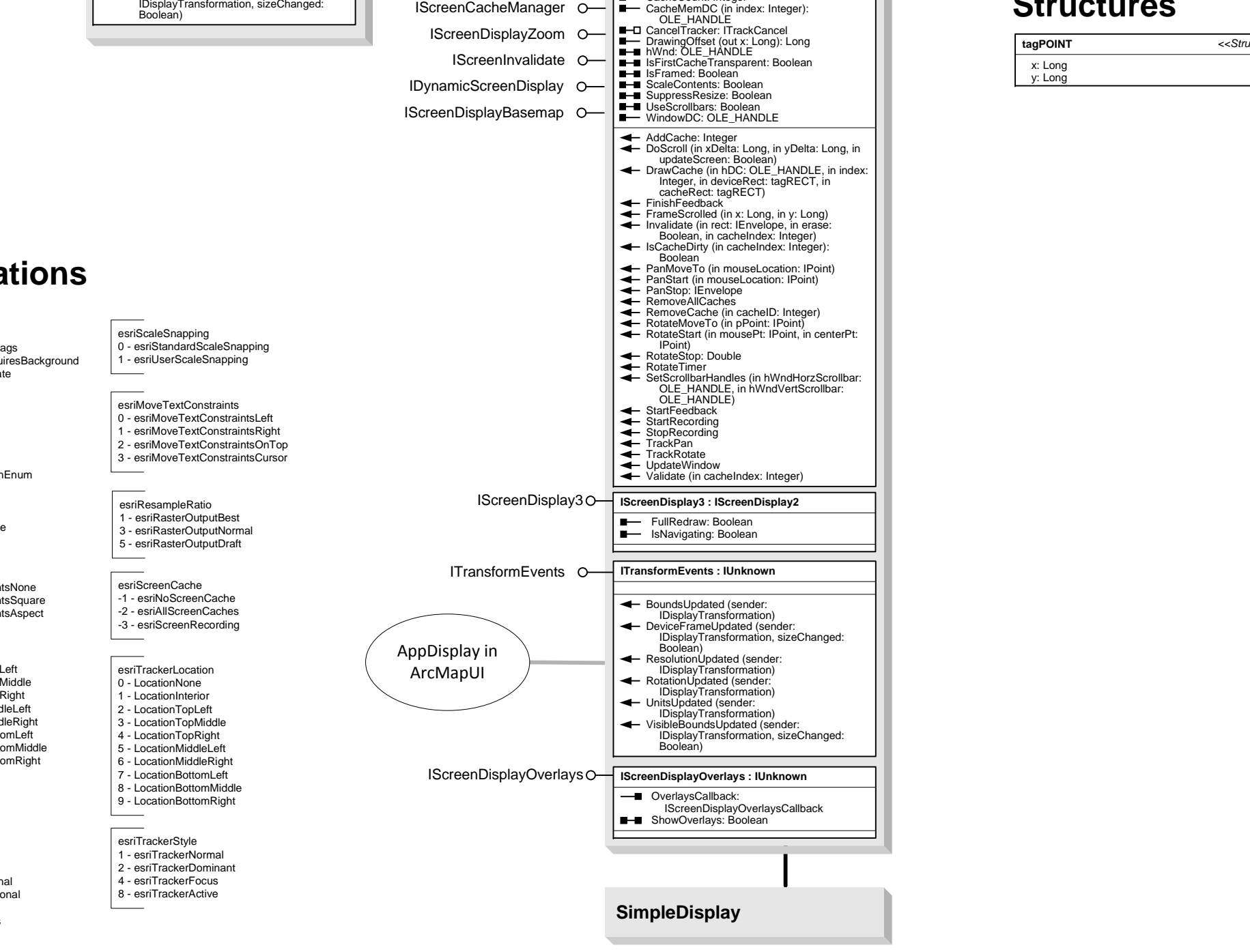
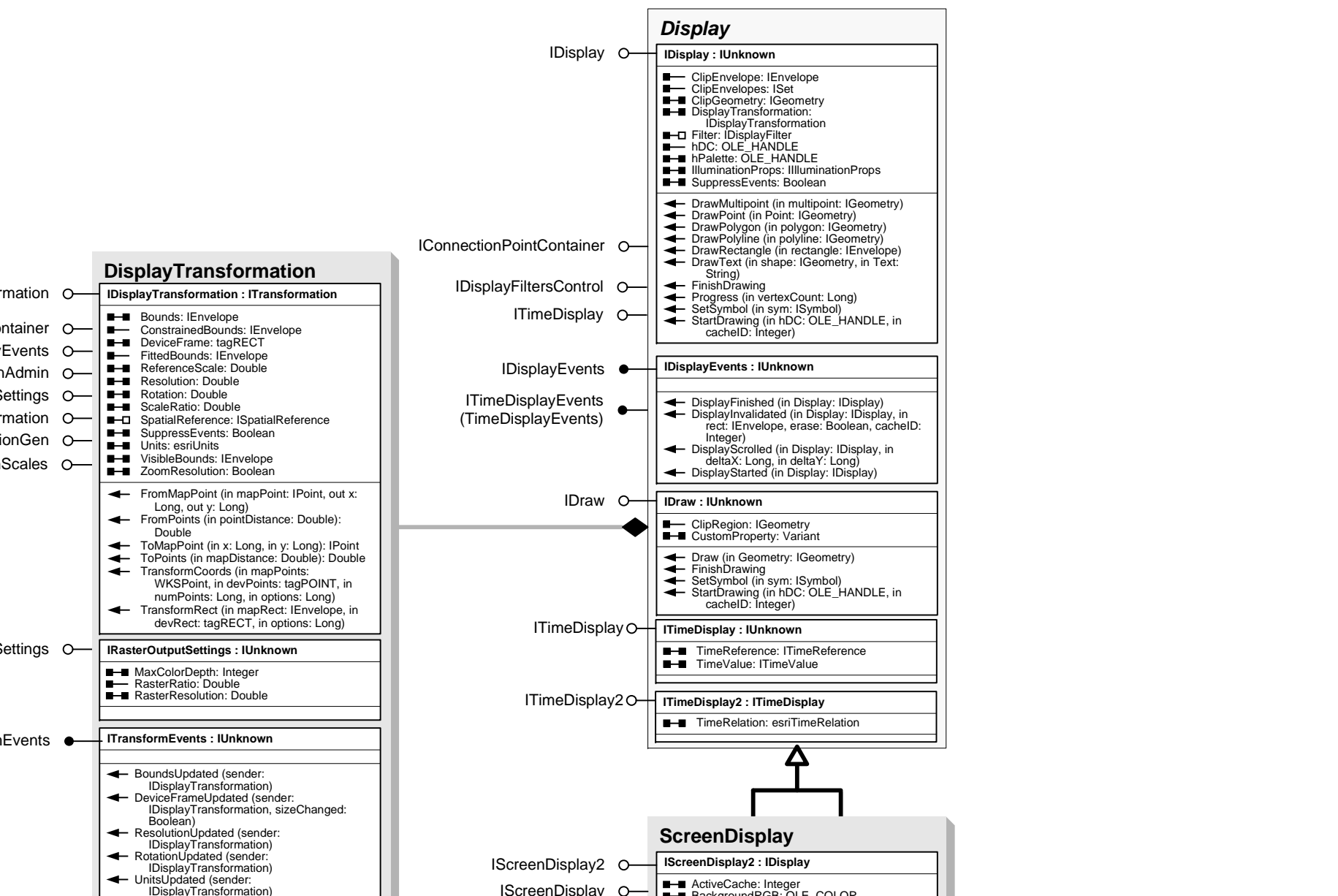
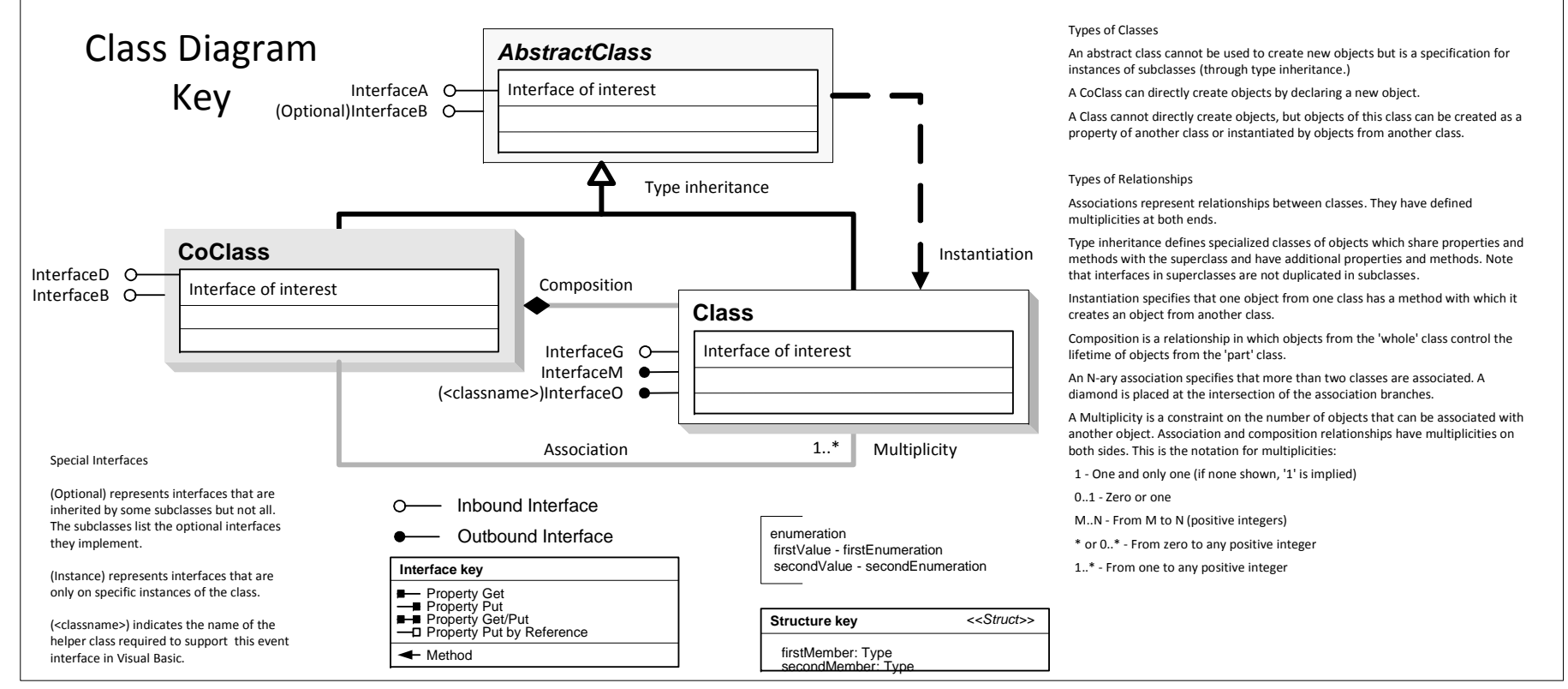
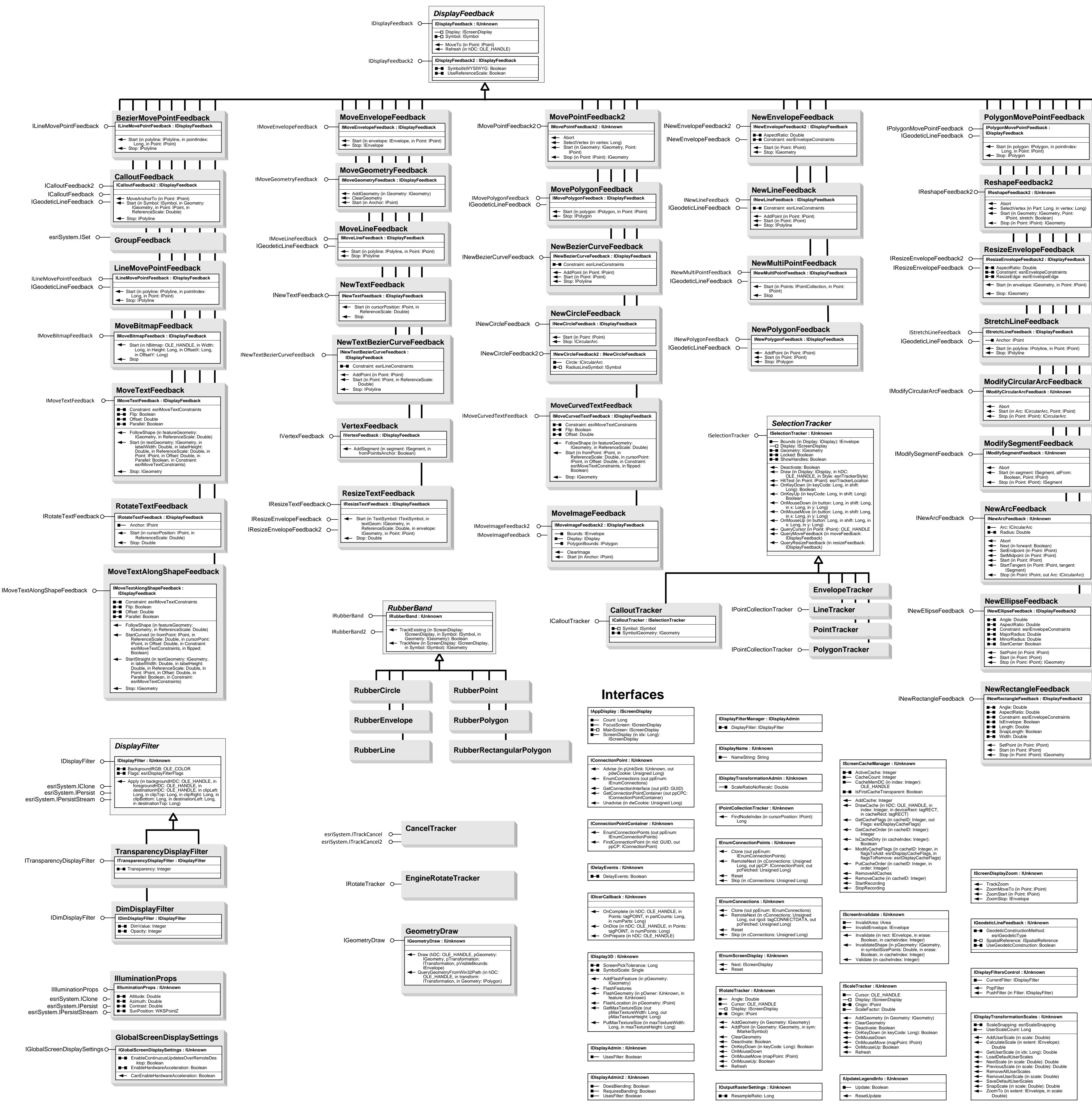


# Display Object Model

## Display and Feedbacks

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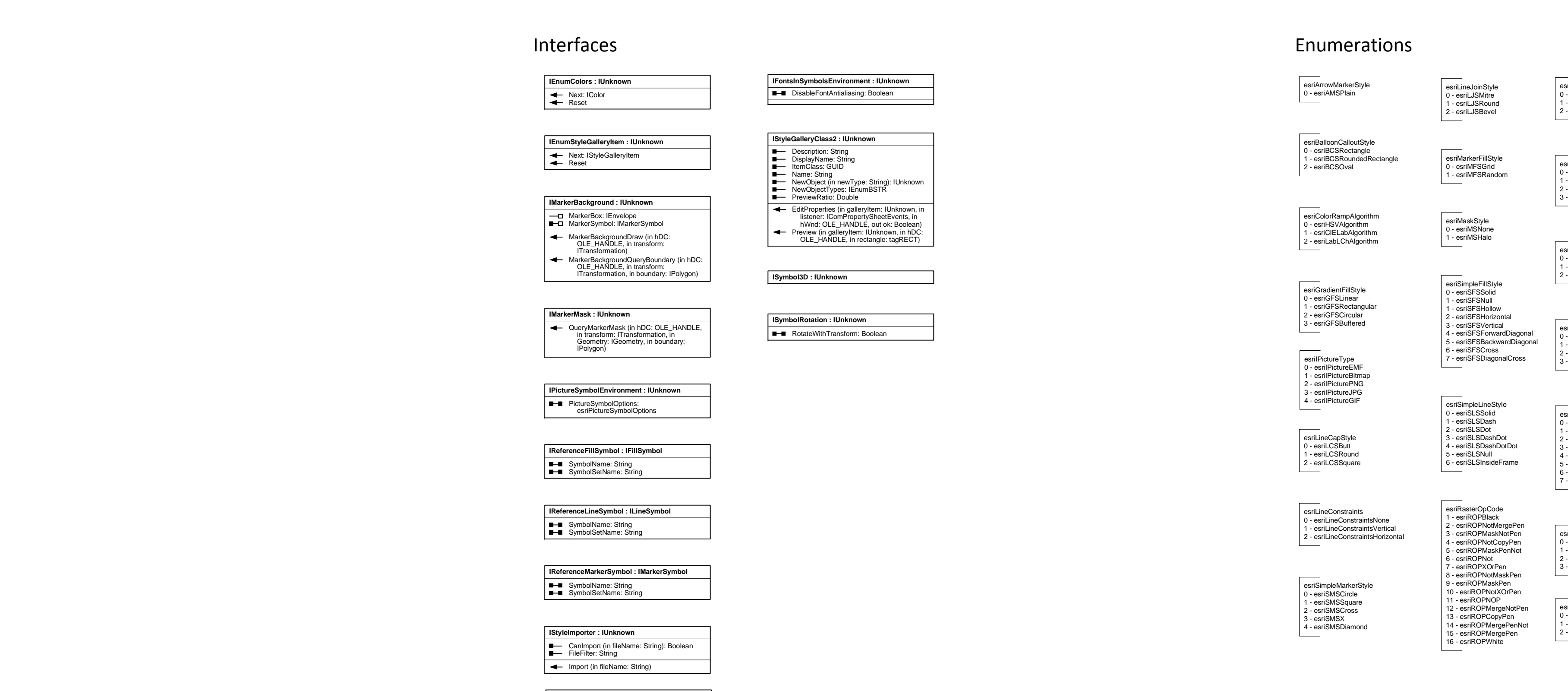
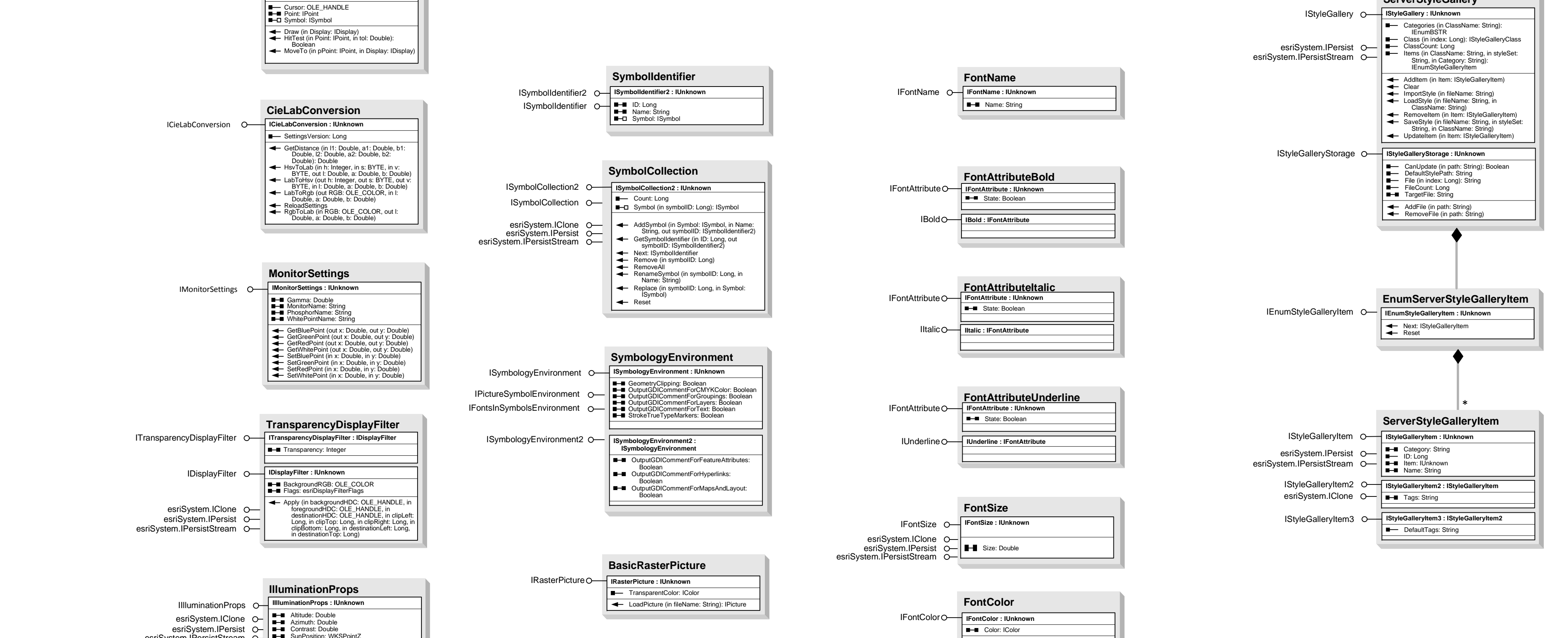
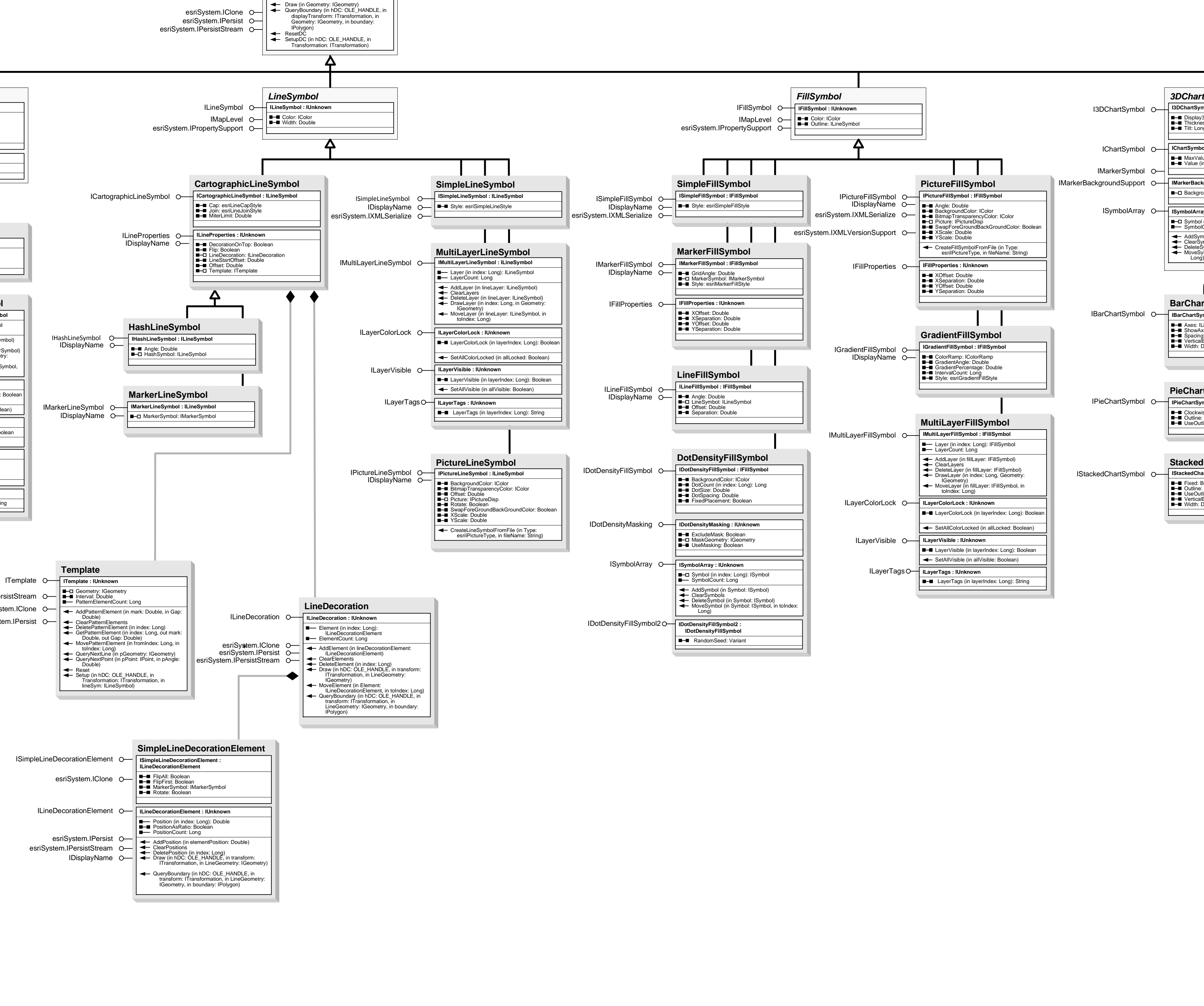
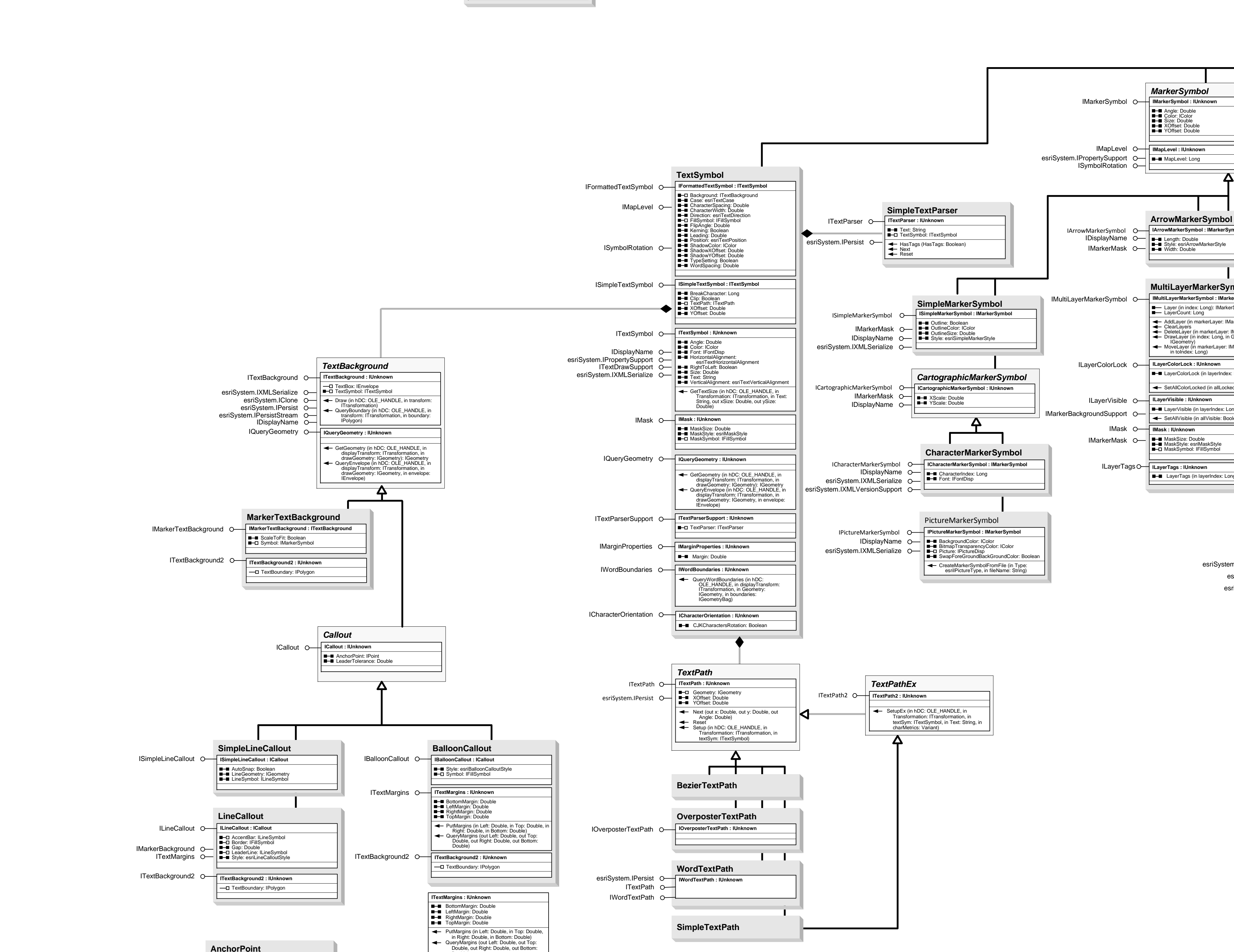
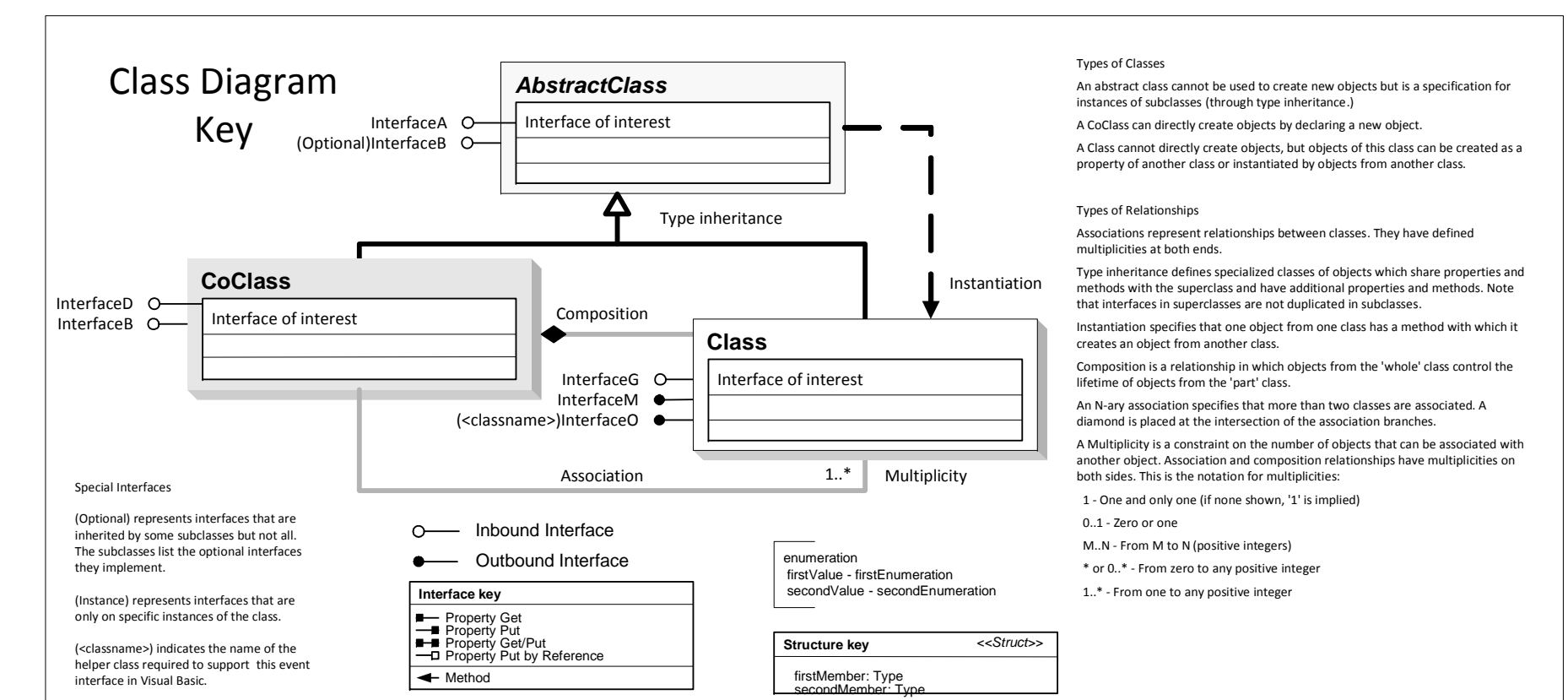
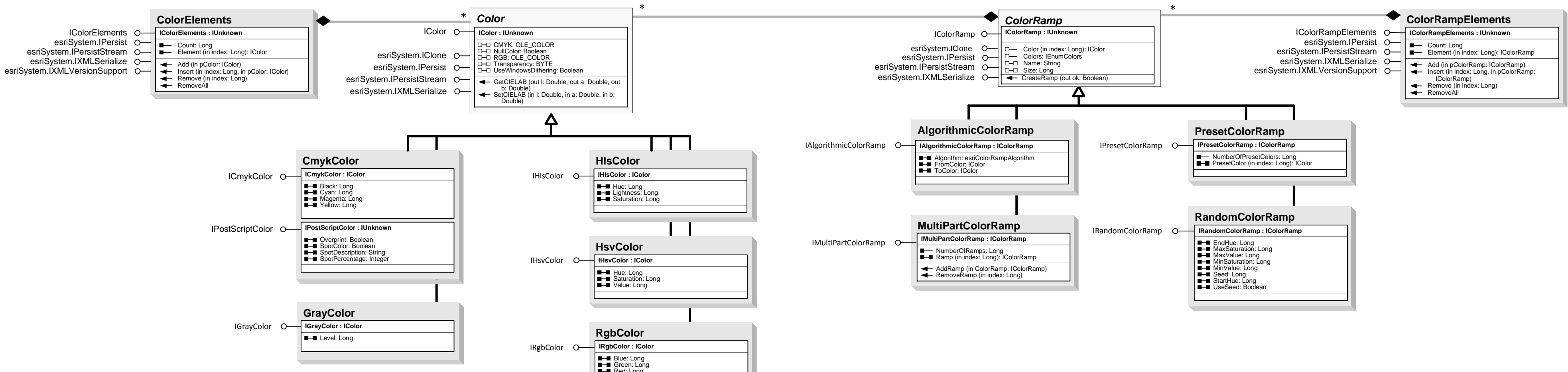
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# Display Object Model Symbols and Color

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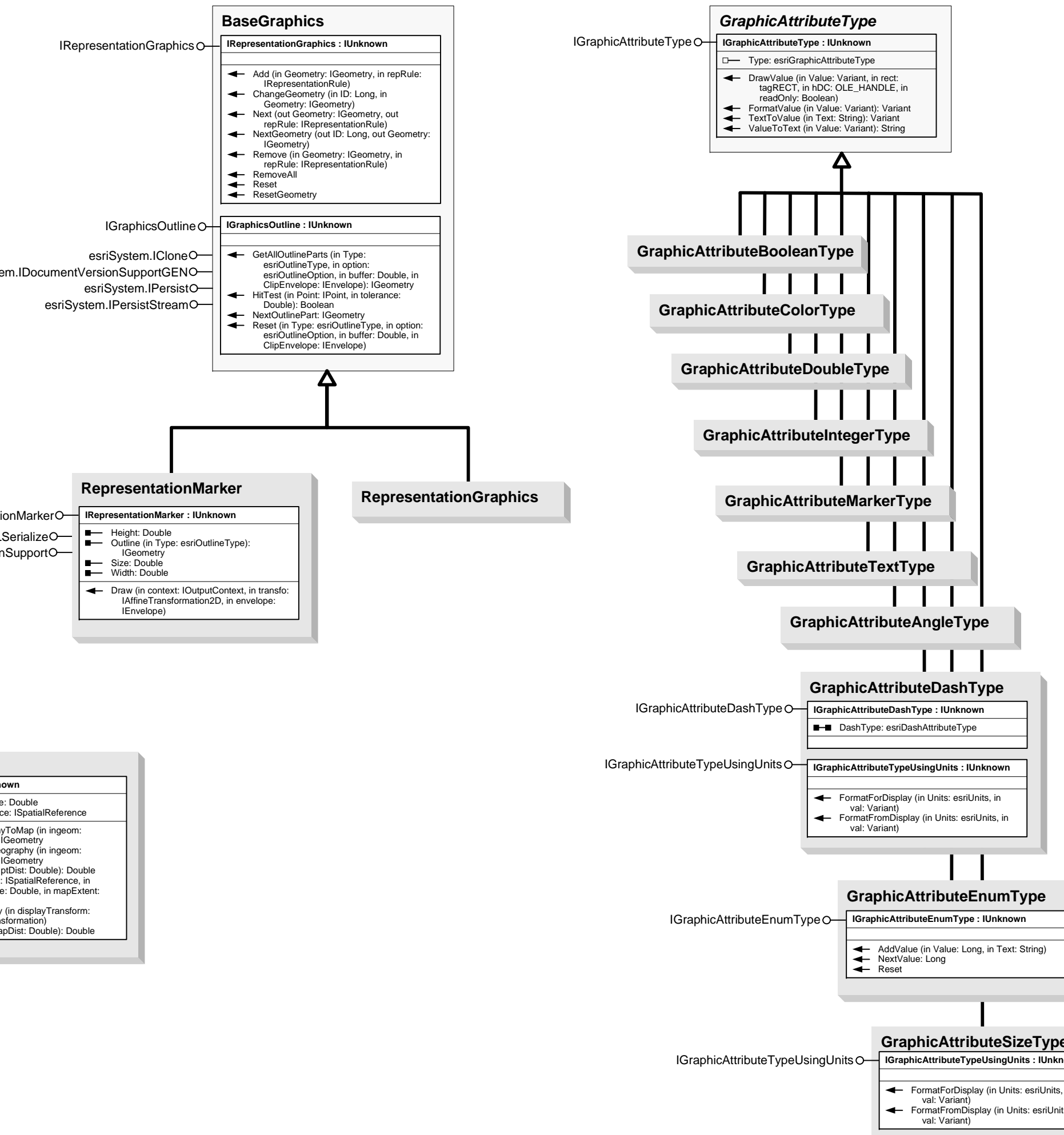
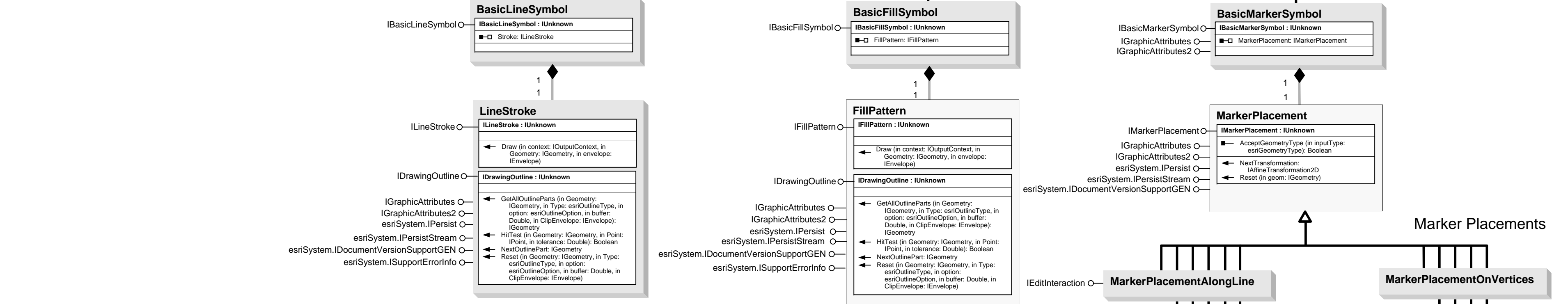
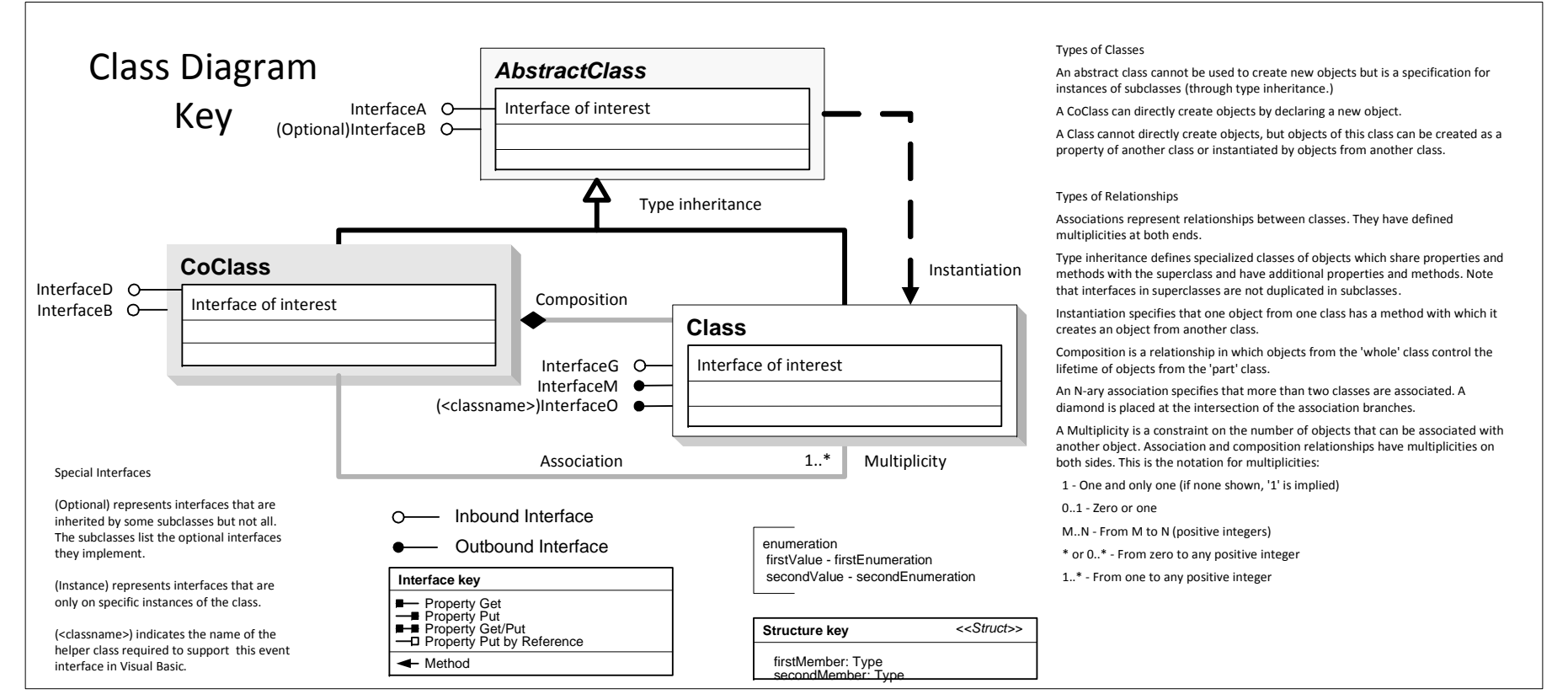
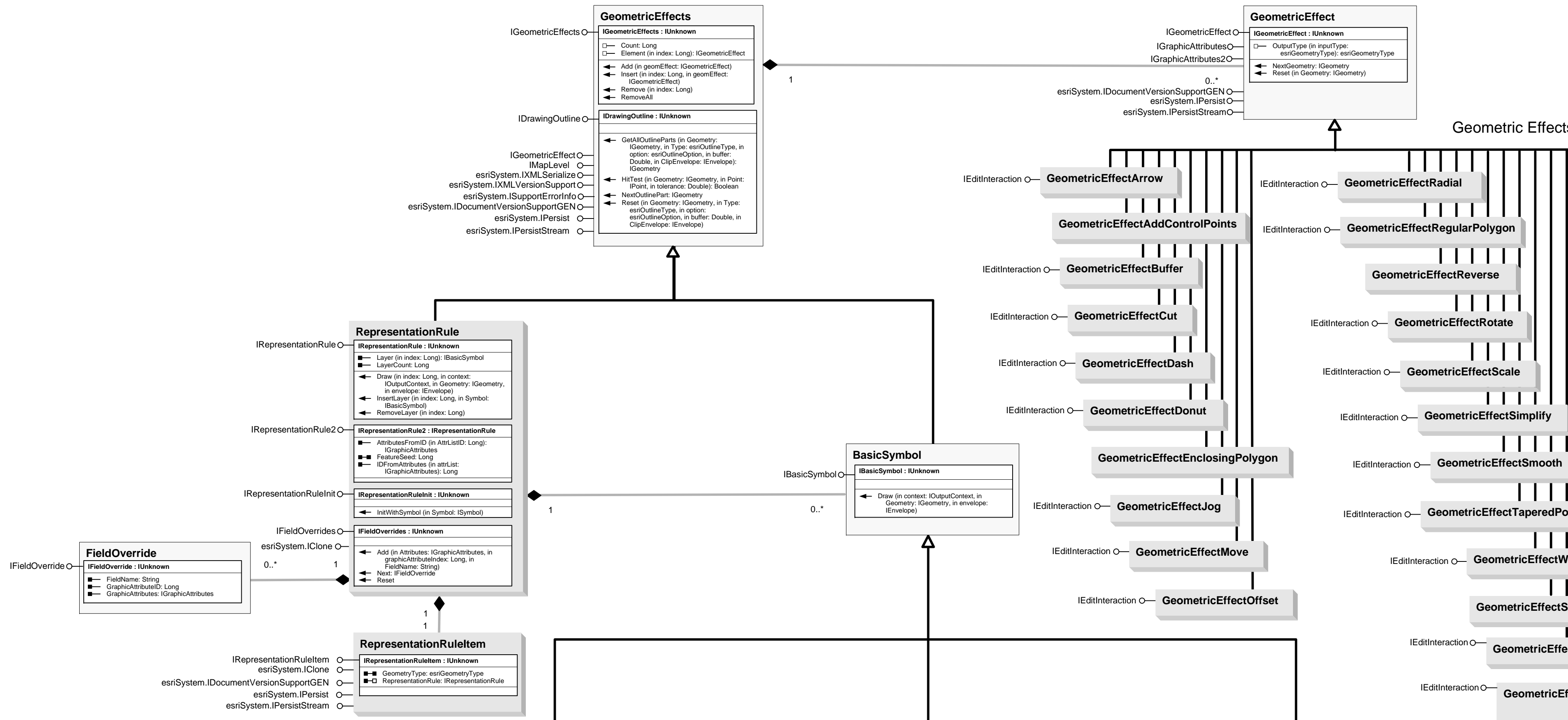


# Display Object Model

## Basic Symbols, Geometric Effects, and Marker Placements

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### Enumerations

```

esriClippingMethod
0 - esriClippingNone
1 - esriClippingBasicClipping
2 - esriClippingRemoveBoxOutside

esriDashAttributeType
0 - esriDashAttributeTypeFillAndCaps
1 - esriDashAttributeTypeOnlyGaps

esriGraphicAttribute
0 - esriGABlur
1 - esriGAMarker
2 - esriGAMarkerSize
3 - esriGAMarkerAngle
4 - esriGAMarkerRotationClockwise
5 - esriGAMarkerRotationCounterClockwise
6 - esriGAMarkerStrokeWidth
7 - esriGAMarkerStrokeCaps
8 - esriGAMarkerStrokeJoin
9 - esriGAMarkerStrokeColor
10 - esriGAMarkerStrokeColor2
11 - esriGAMarkerStrokeColor3
12 - esriGAMarkerStrokeColor4
13 - esriGAMarkerStrokeColor5
14 - esriGAMarkerStrokeColor6
15 - esriGAMarkerStrokeColor7
16 - esriGAMarkerStrokeColor8
17 - esriGAMarkerStrokeColor9
18 - esriGAMarkerStrokeColor10
19 - esriGAMarkerStrokeColor11
20 - esriGAMarkerStrokeColor12
21 - esriGAMarkerStrokeColor13
22 - esriGAMarkerStrokeColor14
23 - esriGAMarkerStrokeColor15
24 - esriGAMarkerStrokeColor16
25 - esriGAMarkerStrokeColor17
26 - esriGAMarkerStrokeColor18
27 - esriGAMarkerStrokeColor19
28 - esriGAMarkerStrokeColor20
29 - esriGAMarkerStrokeColor21
30 - esriGAMarkerStrokeColor22
31 - esriGAMarkerStrokeColor23
32 - esriGAMarkerStrokeColor24
33 - esriGAMarkerStrokeColor25
34 - esriGAMarkerStrokeColor26
35 - esriGAMarkerStrokeColor27
36 - esriGAMarkerStrokeColor28
37 - esriGAMarkerStrokeColor29
38 - esriGAMarkerStrokeColor30
39 - esriGAMarkerStrokeColor31
40 - esriGAMarkerStrokeColor32
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45 - esriGAMarkerStrokeColor37
46 - esriGAMarkerStrokeColor38
47 - esriGAMarkerStrokeColor39
48 - esriGAMarkerStrokeColor40
49 - esriGAMarkerStrokeColor41
50 - esriGAMarkerStrokeColor42
51 - esriGAMarkerStrokeColor43
52 - esriGAMarkerStrokeColor44
53 - esriGAMarkerStrokeColor45
54 - esriGAMarkerStrokeColor46
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57 - esriGAMarkerStrokeColor49
58 - esriGAMarkerStrokeColor50
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74 - esriGAMarkerStrokeColor66
75 - esriGAMarkerStrokeColor67
76 - esriGAMarkerStrokeColor68
77 - esriGAMarkerStrokeColor69
78 - esriGAMarkerStrokeColor70
79 - esriGAMarkerStrokeColor71
80 - esriGAMarkerStrokeColor72
81 - esriGAMarkerStrokeColor73
82 - esriGAMarkerStrokeColor74
83 - esriGAMarkerStrokeColor75
84 - esriGAMarkerStrokeColor76
85 - esriGAMarkerStrokeColor77
86 - esriGAMarkerStrokeColor78
87 - esriGAMarkerStrokeColor79
88 - esriGAMarkerStrokeColor80
89 - esriGAMarkerStrokeColor81
90 - esriGAMarkerStrokeColor82
91 - esriGAMarkerStrokeColor83
92 - esriGAMarkerStrokeColor84
93 - esriGAMarkerStrokeColor85
94 - esriGAMarkerStrokeColor86
95 - esriGAMarkerStrokeColor87
96 - esriGAMarkerStrokeColor88
97 - esriGAMarkerStrokeColor89
98 - esriGAMarkerStrokeColor90
99 - esriGAMarkerStrokeColor91
100 - esriGAMarkerStrokeColor92
101 - esriGAMarkerStrokeColor93
102 - esriGAMarkerStrokeColor94
103 - esriGAMarkerStrokeColor95
104 - esriGAMarkerStrokeColor96
105 - esriGAMarkerStrokeColor97
106 - esriGAMarkerStrokeColor98
107 - esriGAMarkerStrokeColor99
108 - esriGAMarkerStrokeColor100

esriOutlineOption
0 - esriOutlineOptionNone
1 - esriOutlineOptionConvex
2 - esriOutlineOptionInfill

esriOrientMode
1 - esriOMPParallel
2 - esriOMPPerpendicular

esriRepresentationDrawingError
-2147218431 - REP_E_ATTRIBUTE_DOES_NOT_EXIST
-2147218430 - REP_E_GEOMETRY_TYPE_NOT_SUPPORTED
-2147218429 - REP_E_NO_MAP_CONTEXT
-2147218428 - REP_E_INVALID_ENUM_ATTRIBUTE
-2147218427 - REP_E_EMPTY_ENUM_ATTRIBUTE
-2147218426 - REP_E_MAP_CONTEXT_NOT_INITIALIZED
-2147218425 - REP_E_OUTPUT_CONTEXT_NOT_INITIALIZED
    
```

### Interfaces

```

IGraphicAttributes {
    -> Class Name: String
    -> GraphicAttributeCount: Long
    -> ID (in attributes): Long
    -> IDByName (in Name: String): Long
    -> Name (in attrList): String
    -> Type (in attrList): Long
    -> Value (in attrList): Variant
}

IOutputContext {
    -> NDC: OLE_HANDLE
    -> MapCancel: ITrackCancel
    -> FromMapToOutput (in geom: IGeometry): IGeometry
    -> Init (in refScale: Double, in currentScale: Double, in Resolution: Double, in Rotation: Double, in deviceRect: IRect, in devDevice: OLE_HANDLE): Double
}

IMarkerPlacement {
    -> AcceptGeometryType (in inputType: esriGeometryType) Boolean
    -> NextTransformation (in TransformationID)
    -> Reset (in geom: IGeometry)
}

IMarkerPlacementAlongLine {
    -> ClippingMethod: IClippingMethod
    -> IEditInteraction: IEditInteraction
}

IMarkerPlacementAtExtremities {
    -> IEditInteraction: IEditInteraction
}

IMarkerPlacementDecoration {
    -> IEditInteraction: IEditInteraction
}

IMarkerPlacementInsidePolygon {
    -> ClippingMethod: IClippingMethod
    -> IEditInteraction: IEditInteraction
}

IMarkerPlacementOnLine {
    -> IClippingMethod: IClippingMethod
    -> IEditInteraction: IEditInteraction
}

IMarkerPlacementOnPoint {
    -> IEditInteraction: IEditInteraction
}

IMarkerPlacementOnVertices {
    -> IClippingMethod: IClippingMethod
    -> IEditInteraction: IEditInteraction
}

IMarkerPlacementPolygonCenter {
    -> IClippingMethod: IClippingMethod
    -> IEditInteraction: IEditInteraction
}

IMarkerPlacementRandomAlongLine {
    -> IClippingMethod: IClippingMethod
    -> IEditInteraction: IEditInteraction
}

IMarkerPlacementRandomInPolygon {
    -> ClippingMethod: IClippingMethod
    -> IEditInteraction: IEditInteraction
}

IMarkerPlacementVariableAlongLine {
    -> IClippingMethod: IClippingMethod
    -> IEditInteraction: IEditInteraction
}

IOutputContext {
    -> NDC: OLE_HANDLE
    -> MapCancel: ITrackCancel
    -> FromMapToOutput (in geom: IGeometry): IGeometry
    -> Init (in refScale: Double, in currentScale: Double, in Resolution: Double, in Rotation: Double, in deviceRect: IRect, in devDevice: OLE_HANDLE): Double
}

IMapContext {
    -> ReferenceScale: Double
    -> SpatialReference: ISpatialReference
    -> FromGeographyToMap (in geom: IGeometry): IGeometry
    -> FromMapToGeography (in geom: IGeometry): IGeometry
    -> FrontPoints (in pnt: IDouble) Double
    -> Init (in mapProj: ISpatialReference, in mapScale: Double, in mapExtent: IEnvelope): IEnvelope
    -> MapDisplay (in displayTransform: IDisplayTransformation)
    -> ToPoints (in mapRect: IDouble) Double
}

IOutputContext {
    -> NDC: OLE_HANDLE
    -> MapCancel: ITrackCancel
    -> FromMapToOutput (in geom: IGeometry): IGeometry
    -> Init (in refScale: Double, in currentScale: Double, in Resolution: Double, in Rotation: Double, in deviceRect: IRect, in devDevice: OLE_HANDLE): Double
}

IMarkerPlacement {
    -> AcceptGeometryType (in inputType: esriGeometryType) Boolean
    -> NextTransformation (in TransformationID)
    -> Reset (in geom: IGeometry)
}

IMarkerPlacementAlongLine {
    -> ClippingMethod: IClippingMethod
    -> IEditInteraction: IEditInteraction
}

IMarkerPlacementAtExtremities {
    -> IEditInteraction: IEditInteraction
}

IMarkerPlacementDecoration {
    -> IEditInteraction: IEditInteraction
}

IMarkerPlacementInsidePolygon {
    -> ClippingMethod: IClippingMethod
    -> IEditInteraction: IEditInteraction
}

IMarkerPlacementOnLine {
    -> IClippingMethod: IClippingMethod
    -> IEditInteraction: IEditInteraction
}

IMarkerPlacementOnPoint {
    -> IEditInteraction: IEditInteraction
}

IMarkerPlacementOnVertices {
    -> IClippingMethod: IClippingMethod
    -> IEditInteraction: IEditInteraction
}

IMarkerPlacementPolygonCenter {
    -> IClippingMethod: IClippingMethod
    -> IEditInteraction: IEditInteraction
}

IMarkerPlacementRandomAlongLine {
    -> IClippingMethod: IClippingMethod
    -> IEditInteraction: IEditInteraction
}

IMarkerPlacementRandomInPolygon {
    -> ClippingMethod: IClippingMethod
    -> IEditInteraction: IEditInteraction
}

IMarkerPlacementVariableAlongLine {
    -> IClippingMethod: IClippingMethod
    -> IEditInteraction: IEditInteraction
}

IOutputContext {
    -> NDC: OLE_HANDLE
    -> MapCancel: ITrackCancel
    -> FromMapToOutput (in geom: IGeometry): IGeometry
    -> Init (in refScale: Double, in currentScale: Double, in Resolution: Double, in Rotation: Double, in deviceRect: IRect, in devDevice: OLE_HANDLE): Double
}

IMapContext {
    -> ReferenceScale: Double
    -> SpatialReference: ISpatialReference
    -> FromGeographyToMap (in geom: IGeometry): IGeometry
    -> FromMapToGeography (in geom: IGeometry): IGeometry
    -> FrontPoints (in pnt: IDouble) Double
    -> Init (in mapProj: ISpatialReference, in mapScale: Double, in mapExtent: IEnvelope): IEnvelope
    -> MapDisplay (in displayTransform: IDisplayTransformation)
    -> ToPoints (in mapRect: IDouble) Double
}

IOutputContext {
    -> NDC: OLE_HANDLE
    -> MapCancel: ITrackCancel
    -> FromMapToOutput (in geom: IGeometry): IGeometry
    -> Init (in refScale: Double, in currentScale: Double, in Resolution: Double, in Rotation: Double, in deviceRect: IRect, in devDevice: OLE_HANDLE): Double
}

IMarkerPlacement {
    -> AcceptGeometryType (in inputType: esriGeometryType) Boolean
    -> NextTransformation (in TransformationID)
    -> Reset (in geom: IGeometry)
}

IMarkerPlacementAlongLine {
    -> ClippingMethod: IClippingMethod
    -> IEditInteraction: IEditInteraction
}

IMarkerPlacementAtExtremities {
    -> IEditInteraction: IEditInteraction
}

IMarkerPlacementDecoration {
    -> IEditInteraction: IEditInteraction
}

IMarkerPlacementInsidePolygon {
    -> ClippingMethod: IClippingMethod
    -> IEditInteraction: IEditInteraction
}

IMarkerPlacementOnLine {
    -> IClippingMethod: IClippingMethod
    -> IEditInteraction: IEditInteraction
}

IMarkerPlacementOnPoint {
    -> IEditInteraction: IEditInteraction
}

IMarkerPlacementOnVertices {
    -> IClippingMethod: IClippingMethod
    -> IEditInteraction: IEditInteraction
}

IMarkerPlacementPolygonCenter {
    -> IClippingMethod: IClippingMethod
    -> IEditInteraction: IEditInteraction
}

IMarkerPlacementRandomAlongLine {
    -> IClippingMethod: IClippingMethod
    -> IEditInteraction: IEditInteraction
}

IMarkerPlacementRandomInPolygon {
    -> ClippingMethod: IClippingMethod
    -> IEditInteraction: IEditInteraction
}

IMarkerPlacementVariableAlongLine {
    -> IClippingMethod: IClippingMethod
    -> IEditInteraction: IEditInteraction
}

IOutputContext {
    -> NDC: OLE_HANDLE
    -> MapCancel: ITrackCancel
    -> FromMapToOutput (in geom: IGeometry): IGeometry
    -> Init (in refScale: Double, in currentScale: Double, in Resolution: Double, in Rotation: Double, in deviceRect: IRect, in devDevice: OLE_HANDLE): Double
}

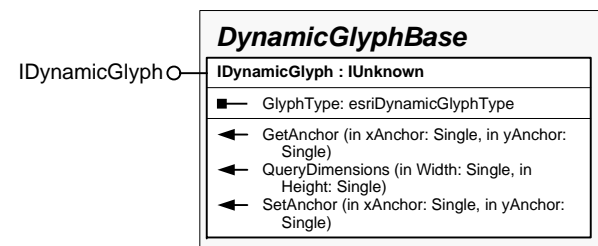
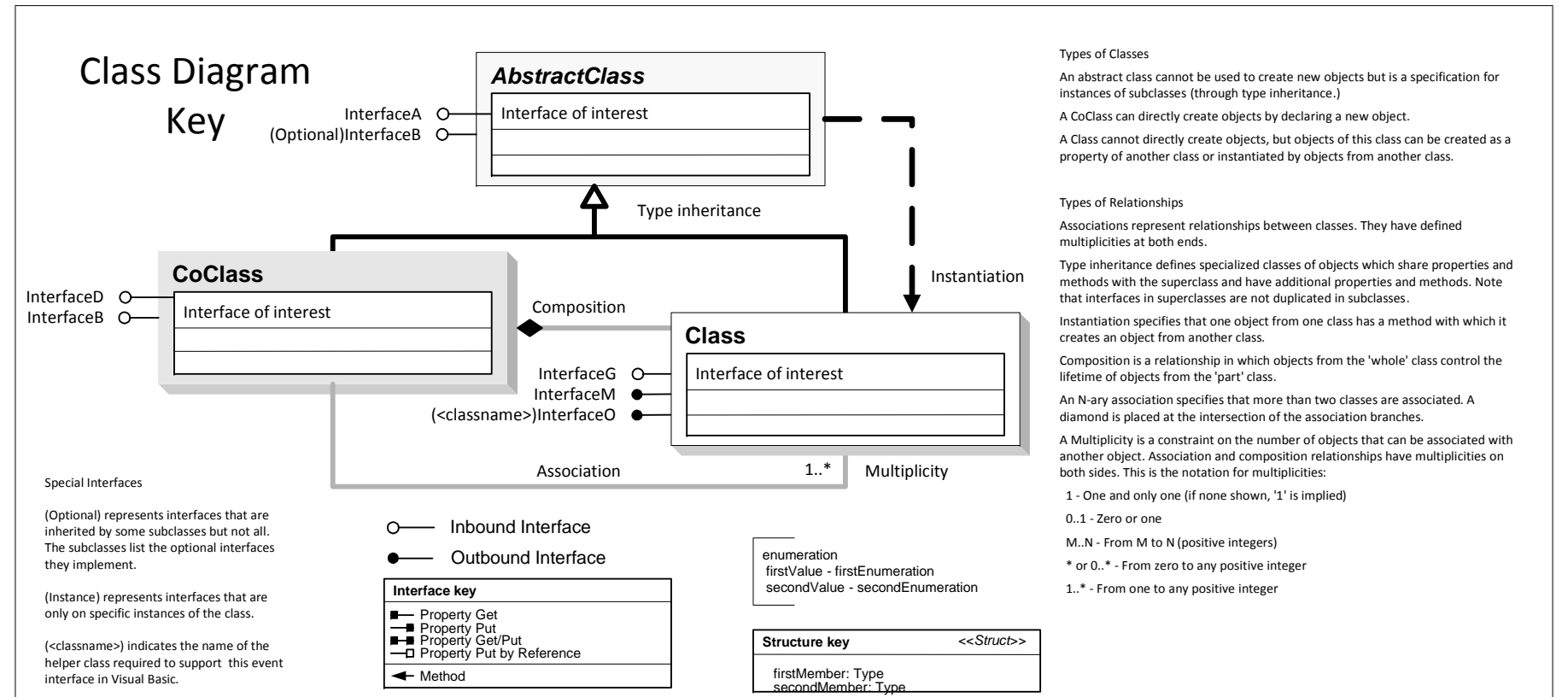
IMapContext {
    -> ReferenceScale: Double
    -> SpatialReference: ISpatialReference
    -> FromGeographyToMap (in geom: IGeometry): IGeometry
    -> FromMapToGeography (in geom: IGeometry): IGeometry
    -> FrontPoints (in pnt: IDouble) Double
    -> Init (in mapProj: ISpatialReference, in mapScale: Double, in mapExtent: IEnvelope): IEnvelope
    -> MapDisplay (in displayTransform: IDisplayTransformation)
    -> ToPoints (in mapRect: IDouble) Double
}
    
```

# Display Object Model

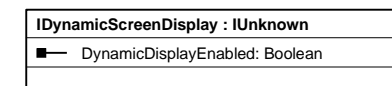
## Dynamic Display

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### Interfaces



### Enumerations

esriDynamicSymbolRotationAlignment

- 0 - esriDSRAScreen
- 1 - esriDSRANorth

esriDynamicSymbolType

- 0 - esriDSymbolMarker
- 1 - esriDSymbolLine
- 2 - esriDSymbolText
- 3 - esriDSymbolFill

esriDynamicGlyphType

- 0 - esriDGlyphMarker
- 1 - esriDGlyphLine
- 2 - esriDGlyphText
- 3 - esriDGlyphFill

esriDraw3DMode

- 1 - esriDraw3DSilent
- 2 - esriDraw3DSelection
- 4 - esriDraw3DGeography
- 8 - esriDraw3DOpaque
- 16 - esriDraw3DTransparent
- 32 - esriDraw3DTransparent
- 64 - esriDraw3DMaterial
- 128 - esriDraw3DImmediate

esriDynamicDrawPhase

- 0 - esriDDPImmediate
- 1 - esriDDPCompiled

esriTextureInterpolationMode

- 0 - esriTextInterpolNearest
- 1 - esriTextInterpolBilinear
- 2 - esriTextInterpolMipMap

esriDynamicSelectionMode

- 0 - esriDSMNone
- 1 - esriDSMLayers
- 16 - esriDSMBeforeDynamicDraw
- 256 - esriDSMAfterDynamicDraw
- 4096 - esriDSMDynamicDrawing

### Interfaces

