

APPENDIX C

AVENUE REQUESTS TO AVENUE WRAPS MAPPING

This appendix is comprised of two tables. Table C-1, which contains the various Avenue requests for which Avenue Wraps™ have been written, or there is an equivalent counterpart, and Table C-2, which contains the various subroutines and functions for which there is no direct Avenue request. Table C-1 is organized in alphabetical order by Avenue request, while Table C-2 is organized in alphabetical order by Avenue Wrap™. Shown in both tables is the Chapter and Section, where a description, for each Avenue Wrap™ or equivalent counterpart, may be found.

In Table C-1, there are certain Avenue requests for which Avenue Wraps™ have not been written, but for which there is either (a) a direct equivalent VB statement, (b) sample VB code consisting of several statements presented in the text, or (c) a direct ArcObjects™ counterpart. In such instances, under the Avenue Wrap™ column, the letters VB enclosed in parentheses (VB) accompany the statement corresponding to the Avenue request, or the name of the ArcObject™ counterpart, will appear. If there is a direct ArcObjects™ counterpart for an Avenue request, N/A will appear under the Chapter and Section column denoting that no discussion is given, since the behavior of the request and the ArcObjects™ counterpart are the same.

**TABLE C-1
AVENUE REQUESTS AND CORRESPONDING AVENUE WRAPS™**

Avenue Request	Avenue Wrap	Chapter/Section
Abs	Abs (VB)	Table 2.1
Activate	avDocActivate	3.1.2
Add	Add (VB)	Table 2.5
AddDoc	avAddDoc	3.1.1
AddFields	avAddFields	5.2.1
AddRecord	avAddRecord	5.3.1
AsDegrees	icraddeg	12.2.13
Asin	icasinan	12.2.6
AsList	avAsList	8.1.2
AsList	avPLAsList	8.1.5
AsNumber	Cdbl (VB)	2.2.3
AsNumber	CInt (VB)	2.2.3

AVENUE REQUESTS TO AVENUE WRAPS MAPPING

**TABLE C-1 (cont.)
AVENUE REQUESTS AND CORRESPONDING AVENUE WRAPS™**

Avenue Request	Avenue Wrap	Chapter/Section
AsNumber	CLng (VB)	2.2.3
AsNumber	CSng (VB)	2.2.3
AsNumber	CVar (VB)	2.2.3
AsRadians	icdegrad	12.2.10
AsString	CStr (VB)	2.1.5
AsTokens	avAsTokens	4.5.6
Atan	Atn (VB)	Table 2.1
Atan	icatan	12.2.7
BasicTrim	avBasicTrim	2.6.1
Calculate	avCalculate	5.5.1
Ceiling	Int (VB)	Table 2.2
Ceiling	Fix (VB)	Table 2.2
Choice	avMsgBoxChoice	7.3.1
ChoiceAsString	avMsgBoxChoice	7.3.1
Clean	avClean	8.4.1
Clear	avBitmapClear	6.2.1
ClearAll	avBitmapClearAll	6.2.2
ClearMsg	avClearStatus	3.4.1
ClearSelection	avClearSelection	6.2.3
ClearSelection	avClearSelection2	6.2.4
ClearStatus	avClearStatus	3.4.1
Clone	avClone	2.6.2
Clone	Set (VB)	Table 2.5
Close	avLineFileClose	4.4.1
Convert	avConvertDistance	12.2.2
ConvertArea	avConvertArea	12.2.1
Contains	InStr (VB)	2.2.1
Copy	avFileCopy	4.2.2
Cos	Cos (VB)	Table 2.1
Count	Len (VB)	2.2.1
Count	Count (VB)	Table 2.5
Delete	avFileDelete	4.2.3
Empty	CreateList	Table 2.5
Execute	avExecute	2.6.3
Execute	avExecute2	2.6.4
Exists	avFileExists	4.2.4
Export	avFTabExport	5.1.3
Export	avVTabExport	5.1.23
FindAllByClass	sample code (VB)	Appendix D
FindDoc	avFindDoc	3.1.3
FindField	FindField	N/A
FindTheme	FindLayer	5.1.26
FindTheme	FindTheme	5.1.27

**TABLE C-1 (cont.)
AVENUE REQUESTS AND CORRESPONDING AVENUE WRAPS™**

Avenue Request	Avenue Wrap	Chapter/Section
Floor	Int (VB)	Table 2.2
Floor	Fix (VB)	Table 2.2
Flush	avGetDisplayFlush	3.3.3
Get	Item	Table 2.5
GetActiveDoc	avGetActiveDoc	3.1.4
GetActiveThemes	avGetActiveThemes	3.1.5
GetAlias	avGetAlias	5.2.4
GetAngle	avGraphicTextGetAngle	10.3.1
GetAngle	avSymbolGetAngle	10.2.6
GetBaseName	avGetBaseName	4.3.1
GetBounds	GetTextRect	12.2.5
GetClassifications	avGetClassifications	11.2.1
GetClassType	avGetClassType	11.2.2
GetColor	avSymbolGetColor	10.2.7
GetDisplay	avGetDisplay	3.3.2
GetEnvVar	avGetEnvVar	2.6.5
GetExtension	avGetExtension	4.3.3
GetFieldNames	avGetFieldNames	11.2.3
GetFields	avGetFields	5.2.5
GetFileName	avGetProjectName	3.1.7
GetFTab	avGetFTab	5.3.2
GetGraphics	avViewGetGraphics	10.1.10
GetLegend	avGetLegend	11.2.4
GetLegendType	avGetLegendType	11.2.5
GetList	avPaletteGetList	11.3.2
GetName	avGetName	3.1.6
GetName	avObjGetName	3.1.12
GetNumClasses	avGetNumClasses	11.2.6
GetNumRecords	avGetNumRecords	5.3.5
GetOLColor	avSymbolGetOLColor	10.2.8
GetOLWidth	avSymbolGetOLWidth	10.2.9
GetPalette	avGetPalette	11.3.1
GetPrecision	avGetPrecision	5.2.6
GetSelected	avGetSelected	10.1.2
GetSelectedExtent	avGetSelectedExtent	3.2.3
GetSelection	avGetSelection	6.1.2
GetShape	avGraphicGetShape	10.2.1
GetShapeClass	avGetShapeType	5.1.5
GetSize	FileLen (VB)	4.5.3
GetSize	avSymbolGetSize	10.2.10
GetStipple	avSymbolGetStipple	10.2.11
GetStyle	avSymbolGetStyle	10.2.12
GetSymbol	avGraphicTextGetSymbol	10.3.3

**TABLE C-1 (cont.)
AVENUE REQUESTS AND CORRESPONDING AVENUE WRAPS™**

Avenue Request	Avenue Wrap	Chapter/Section
GetSymbol	avGraphicGetSymbol	10.2.2
GetSymbols	avLegendGetSymbols	11.2.7
GetText	avGraphicTextGetText	10.3.4
GetThemes	avGetThemes	3.2.4
GetType	avFieldGetType	5.2.2
GetVisibleThemes	avGetVisibleThemes	3.2.6
GetVTab	avGetVTab	5.3.6
GetWorkDir	avGetWorkDir	3.1.9
HasZ	avHasZ	8.3.2
IndexOf	InStr (VB)	2.2.1
Info	avMsgBoxInfo	7.1.3
Input	avMsgBoxInput	7.2.1
Insert	Add (VB)	Table 2.5
Intersects	avIntersects	8.4.2
Interval	avInterval	11.1.1
Invalidate	avDisplayInvalidate	3.3.1
Invalidate	avGraphicInvalidate	10.1.3
Invalidate	avThemeInvalidate	5.1.21
InvalidateTOC	avInvalidateTOC	5.1.8
Is	avIsFTheme	5.1.11
IsEditable	avIsEditable	5.1.10
IsEmpty	IsEmpty	N/A
IsJoinedField	avIsJoined	5.7.1
IsLinked	avIsLinked	5.7.2
IsNoDataClassDisplayed	sample code (VB)	Appendix D
IsNull	IsNull (VB)	Table 2.4
IsNumber	IsNumeric (VB)	Table 2.4
IsVisible	avIsVisible	5.1.13
IsWithin	avIsWithin	8.4.3
Join	avJoin	5.7.3
LCase	LCase (VB)	Table 2.3
Left	Left (VB)	Table 2.3
Link	avLink	5.7.4
List	avMsgBoxList	7.1.4
ListAsString	avMsgBoxList	7.1.4
Ln	Log (VB)	Table 2.1
Make	avFieldMake	5.2.3
Make	avGraphicShapeMake	10.2.5
Make	avGraphicTextMake	10.3.5
Make	avLineFileMake	4.4.2
Make	avMultiPointMake	8.2.3
Make	avPointMake	8.2.5
Make	avPointMMake	8.2.6

**TABLE C-1 (cont.)
AVENUE REQUESTS AND CORRESPONDING AVENUE WRAPS™**

Avenue Request	Avenue Wrap	Chapter/Section
Make	avPointZMake	8.2.10
Make	avPolygonMake	8.2.11
Make	avPolylineMake	8.2.13
Make	avSymbolMake	10.2.13
Make	avViewMake	3.1.18
Make	avVTabMake	5.1.24
Make	CreateList	2.6.10
MakeNew	avFTabMakeNew	5.1.4
MakeNew	avVTabMakeNew	5.1.25
MakeXY	avRectMakeXY	8.2.17
Middle	Mid (VB)	Table 2.3
MoveTo	avMoveTo	3.1.11
MultiInput	avMsgBoxMultiInput	7.2.2
MultiList	avMsgBoxMultiList	7.1.5
Natural	avNatural	11.1.2
Now	Now (VB)	2.5.1
PanTo	avPanTo	3.3.4
Put	avFileDialogPut	4.6.1
Quantile	avQuantile	11.1.3
Query	avQuery	5.5.2
ReadElt	ReadLine (VB)	4.5.2
Remove	Remove (VB)	Table 2.5
RemoveDoc	avRemoveDoc	3.1.14
RemoveDuplicates	avRemoveDupStrings	2.6.6
RemoveFields	avRemoveFields	5.2.8
RemoveGraphic	avRemoveGraphic	10.1.6
RemoveRecord	avRemoveRecord	6.2.6
RemoveRecords	avRemoveRecord	6.2.6
Resize	avResize	3.1.15
ReturnArea	avReturnArea	8.3.3
ReturnCenter	avReturnCenter	8.3.4
ReturnFamilies	avGetWinFonts	3.1.8
ReturnFiles	avFileDialogReturnFiles	4.6.2
ReturnDifference	avReturnDifference	8.4.4
ReturnIntersection	avReturnIntersection	8.4.5
ReturnLength	avReturnLength	8.3.5
ReturnMerged	avReturnMerged	8.4.6
ReturnProjected	ShapeProjectSHP	12.3.1
ReturnProjected	sample code (VB)	Appendix D
ReturnUnion	avReturnUnion	8.4.7
ReturnUnProjected	ShapeProjectSHP	12.3.1
ReturnUnProjected	sample code (VB)	Appendix D
ReturnUserCircle	sample code (VB)	9.2.3

**TABLE C-1 (cont.)
AVENUE REQUESTS AND CORRESPONDING AVENUE WRAPS™**

Avenue Request	Avenue Wrap	Chapter/Section
ReturnUserPoint	CurrentLocation (VB)	9.2.1
ReturnUserPolygon	sample code (VB)	9.2.4
ReturnUserPolyline	sample code (VB)	9.2.2
ReturnUserRect	sample code (VB)	9.2.5
ReturnValue	avGetFeature	5.4.2
ReturnValue	avReturnValue	5.3.9
ReturnVisExtent	avReturnVisExtent	3.3.5
Right	Right (VB)	Table 2.3
Round	Fix (VB)	Table 2.2
Run	Sub/Function (VB)	2.5.4
SelectByFTab	avSelectByFTab	6.1.7
SelectByPoint	avSelectByPoint	6.1.8
SelectByPolygon	avSelectByPolygon	6.1.9
Set	avBitmapSet	6.1.1
SetActive	avSetActive	6.1.10
SetAlias	avSetAlias	5.2.9
SetAll	avSetAll	6.1.11
SetAngle	avSymbolSetAngle	10.2.14
SetAngle	avGraphicTextSetAngle	10.3.6
SetColor	avSymbolSetColor	10.2.15
SetEditable	avSetEditable	5.1.14
SetEditable	avSetEditable2	5.1.15
SetEditableTheme	avSetEditableTheme	5.1.16
SetExtension	avSetExtension	4.3.5
SetExtent	avSetExtent	3.3.6
SetM	avPointSetM	8.2.8
SetName	avObjSetName	3.1.13
SetName	avSetName	3.1.16
SetName	avThemeSetName	5.1.22
SetOlColor	avSymbolSetOLColor	10.2.16
SetOlWidth	avSymbolSetOLWidth	10.2.17
SetSelection	avSetSelection	6.1.12
SetShape	avGraphicSetShape	10.2.3
SetSize	avSymbolSetSize	10.2.18
SetStatus	RunProgress	3.4.4
SetStipple	avSymbolSetStipple	10.2.19
SetStyle	avGraphicTextSetStyle	10.3.7
SetStyle	avSymbolSetStyle	10.2.20
SetSymbol	avGraphicSetSymbol	10.2.4
SetSymbol	avGraphicTextSetSymbol	10.3.8
SetSymbols	avLegendSetSymbols	11.2.8
SetText	avGraphicTextSetText	10.3.9
SetValue	avSetValue	5.3.10

**TABLE C-1 (cont.)
AVENUE REQUESTS AND CORRESPONDING AVENUE WRAPS™**

Avenue Request	Avenue Wrap	Chapter/Section
setVisible	avsetVisible	5.1.17
setWorkDir	avsetWorkDir	3.1.17
setZ	avpointsetZ	8.2.9
showMsg	avshowMsg	7.1.7
showStopButton	avshowStopButton	3.4.2
shuffle	(VB)	Table 2.5
sin	Sin	Table 2.1
singleSymbol	avsingleSymbol	11.1.5
split	avsplit	8.4.8
sort	avtableSort	5.5.4
sort	SortTwoLists	2.6.14
sqr	Sqr	Table 2.1
stopEditing	avstopEditing	5.1.19
substitute	Replace (VB)	Table 2.3
summarize	avsummarize	5.5.3
tan	Tan	Table 2.1
translate	Replace (VB)	Table 2.3
trim	Trim (VB)	Table 2.3
truncate	Fix	Table 2.2
ucase	UCase (VB)	Table 2.3
unique	avunique	11.1.6
unJoinAll	avunJoinAll	5.7.5
unLinkAll	avunLinkAll	5.7.6
updateLegend	avupdateLegend	11.2.9
updateSelection	avupdateSelection	6.1.16
warning	avMsgBoxWarning	7.1.6
writeElt	WriteLine (VB)	4.5.1
xOr	avXORSelection	6.1.17
yesNo	avMsgBoxYesNo	7.3.3
yesNoCancel	avMsgBoxYesNoCancel	7.3.4

TABLE C-2
AVENUE WRAPS™ w/o CORRESPONDING AVENUE REQUESTS

Avenue Request	Avenue Wrap	Chapter/Section
N/A	avaClassMake	8.1.1
N/A	avAsList2	8.1.3
N/A	avAsList3	8.1.4
N/A	avAsPolygon	8.2.1
N/A	avCheckEdits	5.1.1
N/A	avCircleMakeXY	8.2.2
N/A	avCreateTable	5.1.2
N/A	avDeleteDS	4.2.1
N/A	avDirExists	4.1.1
N/A	avFeatureInvalidate	5.4.1
N/A	avFieldGetType	5.2.2
N/A	avGetBaseName2	4.3.2
N/A	avGetFeatData	5.4.3
N/A	avGetFTabIDs	5.3.3
N/A	avGetFTabIDs2	5.3.4
N/A	avGetGeometry	5.4.4
N/A	avGetGraphicList	10.1.1
N/A	avGetLayerIndx	3.2.1
N/A	avGetLayerType	3.2.2
N/A	avGetPathName	4.3.4
N/A	avGetSelectionClear	6.2.5
N/A	avGetSelectionIDs	6.1.3
N/A	avGetSelectionIDs2	6.1.4
N/A	avGetSelFeatures	6.1.5
N/A	avGetTables	5.1.6
N/A	avGetTableRow	5.4.5
N/A	avGetThemeExtent	5.1.7
N/A	avGetUniqueValues	5.2.7
N/A	avGetVisibleCADLayers	3.2.5
N/A	avGetVTabIDs	5.3.7
N/A	avGetVTabIDs2	5.3.8
N/A	avGraphicListDelete	10.1.4
N/A	avGraphicListEmpty	10.1.5
N/A	avGraphicTextSetStyle	10.3.7
N/A	avGraphicTextSetSymbol	10.3.8
N/A	avHasM	8.3.1
N/A	avInit	3.1.10
N/A	avInvSelFeatures	6.1.6
N/A	avIsCoverage	5.1.9
N/A	avIsSDE	5.1.12
N/A	avListFiles	4.1.2
N/A	avMsgBoxChoice2	7.3.2
N/A	avMsgBoxMultiInput2	7.2.3

TABLE C-2
AVENUE WRAPS™ w/o CORRESPONDING AVENUE REQUESTS

Avenue Request	Avenue Wrap	Chapter/Section
N/A	avOpenFeatClass	5.6.1
N/A	avOpenWorkspace	5.6.2
N/A	avPaletteGetNames	11.3.3
N/A	avPix2Map	12.2.3
N/A	avPlAsList2	8.1.6
N/A	avPlFindVertex1	8.1.7
N/A	avPlGet3Pt	8.1.8
N/A	avPlModify	8.1.9
N/A	avPointIDMake	8.2.4
N/A	avPointSetID	8.2.7
N/A	avPolygonMake2	8.2.12
N/A	avPolyline2Pt	8.2.15
N/A	avPolylineMake2	8.2.14
N/A	avQuantileX	11.1.4
N/A	avRectMake4Pt	8.2.16
N/A	avRemoveGraphics	10.1.7
N/A	avSetAll	6.1.10
N/A	avSetGraphicsLayer	10.1.8
N/A	avSetSelectionIDs	6.1.13
N/A	avSetSelFeatures	6.1.14
N/A	avSetSelFeatures2	6.1.15
N/A	avSetValueG	5.3.11
N/A	avStartOperation	5.1.18
N/A	avStopOperation	5.1.20
N/A	avUnion	8.4.9
N/A	avUniqueM	11.1.7
N/A	avUpdateAnno	5.4.6
N/A	avUpdateJoin	5.7.7
N/A	avUpdateLink	5.7.8
N/A	avUpdateLinks	5.7.9
N/A	avUpdateDefaultFont	12.2.3
N/A	avViewAddGraphic	10.1.9
N/A	avZoomToSelected	3.3.7
N/A	avZoomToTheme	3.3.8
N/A	avZoomToThemes	3.3.9
N/A	Calc_Callback	3.4.3
N/A	ChangeView	3.3.10
N/A	CopyList	2.6.7
N/A	CopyList2	2.6.8
N/A	CopyList3	2.6.9
N/A	CreateAccessDB	5.6.3
N/A	CreateAnnoClass	5.6.4
N/A	CreateFeatClass	5.6.5

TABLE C-2
AVENUE WRAPS™ w/o CORRESPONDING AVENUE REQUESTS

Avenue Request	Avenue Wrap	Chapter/Section
N/A	CreateList	2.6.8
N/A	CreateNewGeoDB	5.6.6
N/A	CreateNewShapeFile	5.6.7
N/A	CreateShapeFile	5.6.8
N/A	Dformat	2.6.11
N/A	ExportVBACode	12.1.1
N/A	GetShape	8.1.10
N/A	GetTextFont	10.3.10
N/A	iccomdis	12.2.8
N/A	iccomppt	12.2.9
N/A	icforce	12.2.11
N/A	icmakdir	12.2.12
N/A	LoadVBACode	12.1.2
N/A	MakeTextElement	10.3.11
N/A	MakeTextSymbol	10.3.12
N/A	SetViewSnapTol	12.2.14
N/A	ShapeProjectVAL	12.3.2
N/A	SortFourArrays	2.6.12
N/A	SortTwoArrays	2.6.13
N/A	HDBbuild	7.2.4
N/A	HDBbuild1	7.2.5
N/A	VCBbuild	7.2.6
N/A	VDBbuild	7.2.7
N/A	VDBbuild2	7.2.8