



RouteMAP IMS 2.5 COM API Object Model

IMSCollection

```
void copyMap(String strBaseMapName, String strNewMapName)
void createMap(String strMapName, String strTemplateName)
void createShapefile(integer nShapeType, Recordset records, String strfilename)
void deleteMap(String strMapName)
void setCharset(String strFilename)
Recordset getMapsList()
Map loadMap(String strMapName)
void setCharacterSet(String strCharSet)
void setConnectionURL(String strURL)
void setExternalURL(String strURL)
void setConnectionType(integer nType)
void setLocale(String strLanguage, String strCountry)
void setGroup(String strGroup)
void setProxyParameters(String strProxyHost, integer nProxyPort)
void setUsername(String strName)
void setPassword(String strPassword)
```

Map

```
void centerAt(double x, double y)
double convertDistance(double nDistance, integer nSrcUnits, integer nDestUnits)
void doPan(integer x, integer y)
void doZoomFull()
void doZoomIn(integer x, integer y)
void doZoomInRect(integer top, integer left, integer bottom, integer right)
void doZoomOut(integer x, integer y)
void doZoomOutRect(integer top, integer left, integer bottom, integer right)
GeoPoint fromMapUnits(double nX, double nY)
String getCharset()
CosmeticLayer getCosmeticLayer(DrivingDirections)
String getCountry()
Recordset getDirectionsSegmentImagesURL(DrivingDirections)
driveDir, double nInflateing, integer nWidth, integer nHeight, integer nImageFormat, String strSegList)
String getLanguage()
GeoRectangle getExtent()
FinderList getFinders()
integer getImageHeight()
integer getImageWidth()
LayerList getLayers()
String getLegendImageURL(MapLegend legend)
String getMapImageURL(integer nWidth, integer nHeight, integer nImageFormat)
integer getMeasureUnits()
Projection getProjection()
Routing getRouting()
integer getZoomLevel()
integer getZoomLevelCount()
String getZoomLevelName(integer nLevel)
IdentifyResult identify(integer x, integer y)
boolean isScaleLegendVisible()
void saveLegendImage(String strFilename, MapLegend legend)
void saveMap()
void saveMapImage(String strFilename, integer nWidth, integer nHeight, integer nImageFormat)
void setExtent(GeoRectangle extent)
void setImageSize(integer nWidth, integer nHeight)
void setMeasureUnits(integer nUnits)
void setScaleLegendVisibility(boolean bVisible)
void setZoomLevel(integer nLevel)
GeoPoint toMapUnits(integer x, integer y)
```

MapLegend

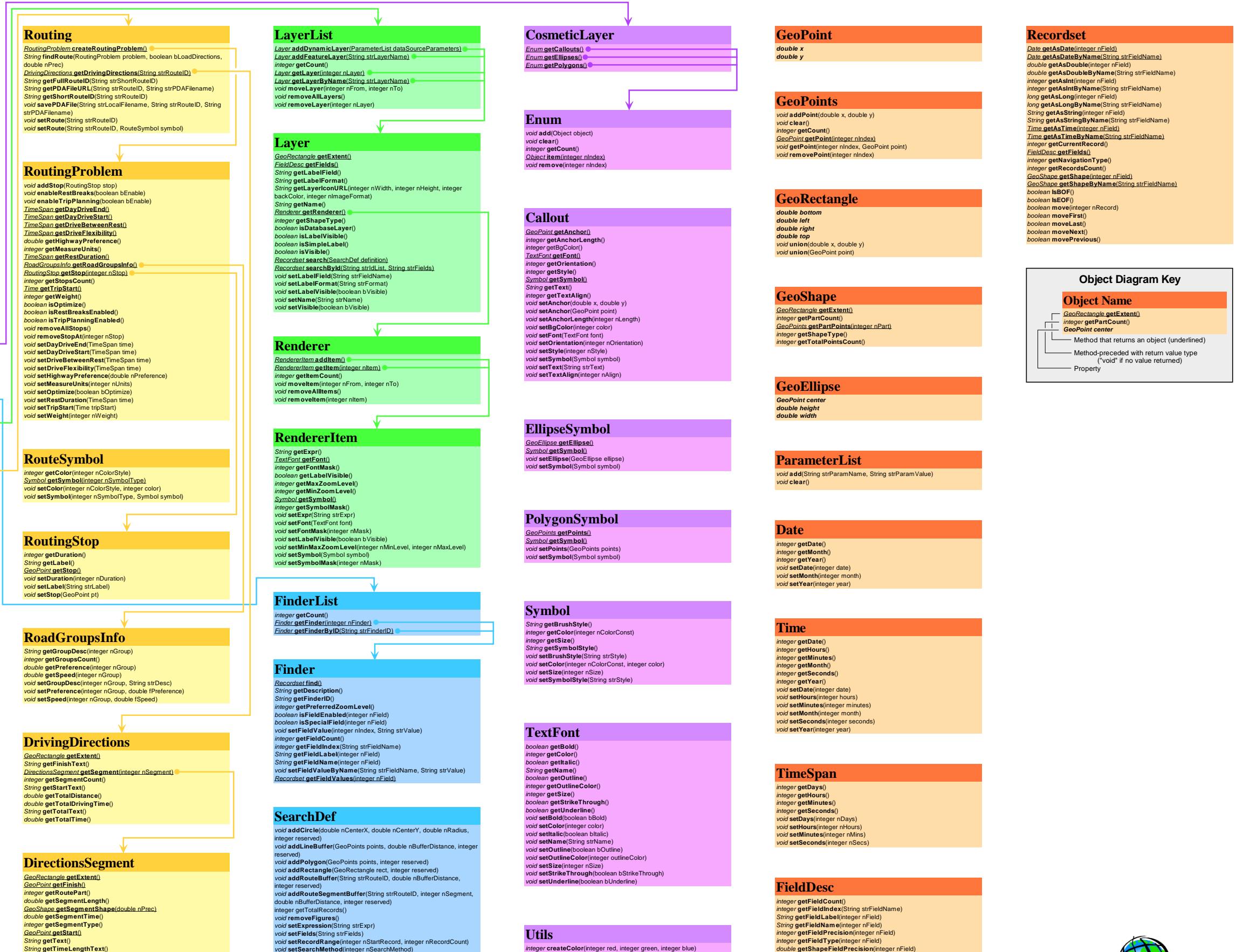
```
boolean getAutoExtend()
integer getBackColor()
integer getCellSpacing()
boolean getDrawOnlyVisibleLayers()
TextFont getFont()
integer getHeight()
integer getImageFormat()
integer getLayerIconHeight()
integer getLayerIconWidth()
integer getWidth()
void setAutoExtend(boolean bAutoExtend)
void setBackColor(integer color)
void setCellSpacing(integer nCellSpacing)
void setDrawOnlyVisibleLayers(boolean bDrawOnlyVisibleLayers)
void setFont(TextFont font)
void setHeight(integer nHeight)
void setImageFormat(integer nFormat)
void setLayerIconHeight(integer nHeight)
void setLayerIconWidth(integer nWidth)
void setWidth(integer nWidth)
```

Projection

```
String getName()
GeoPoint project(double nLat, double nLon)
GeoPoint unproject(double x, double y)
GeoPoints projectPoints(GeoPoints points)
GeoPoints unprojectPoints(GeoPoints points)
```

IdentifyResult

```
integer getLayerNumber()
Recordset getRecordset()
```



Recordset

```
Date getAsDate(integer nField)
Date getAsDateByName(String strFieldName)
double getAsDouble(integer nField)
double getAsDoubleByName(String strFieldName)
integer getAsInt(integer nField)
long getAsLong(integer nField)
long getAsLongByName(String strFieldName)
String getAsString(integer nField)
String getAsStringByName(String strFieldName)
Time getCurrentRecord()
Time getLastTimeByName(String strFieldName)
integer getRecordCount()
FieldDesc getField()
integer getNavigationType()
integer getRecordsCount()
GeoShape getShape(integer nField)
GeoShape getShapeByName(String strFieldName)
boolean isBOF()
boolean isEOF()
boolean move(integer nRecord)
boolean moveFirst()
boolean moveLast()
boolean moveNext()
boolean movePrevious()
```

Object Diagram Key

Object Name	
	<code>GeoRectangle.getExtent()</code>
	<code>integer getCount()</code>
	<code>GeoPoint center</code>
	Method that returns an object (underlined)
	Method-preceded with return value type ("void" if no value returned)
	Property

GeoPoint

```
double x
double y
```

GeoPoints

```
void addPoint(double x, double y)
void clear()
integer getCount()
GeoPoint getPoint(integer nIndex)
void getPoint(integer nIndex, GeoPoint point)
void removePoint(integer nIndex)
```

GeoRectangle

```
double bottom
double left
double right
double top
void union(double x, double y)
void union(GeoPoint point)
```

GeoShape

```
GeoRectangle getExtent()
integer getCount()
GeoPoints getPartPoints(integer nPart)
integer getShapeType()
integer getTotalPointsCount()
```

GeoEllipse

```
GeoPoint center
double height
double width
```

ParameterList

```
void add(String strParamName, String strParamValue)
void clear()
```

Date

```
integer getDate()
integer getMonth()
integer getYear()
void setDate(integer date)
void setMonth(integer month)
void setYear(integer year)
```

Time

```
integer getDate()
integer getHours()
integer.getMinutes()
integer.getMonth()
integer.getSeconds()
integer.getYear()
void setDate(integer date)
void.setHours(integer hours)
void.getMinutes(integer minutes)
void.setMonth(integer month)
void.getSeconds(integer seconds)
void.setYear(integer year)
```

TimeSpan

```
integer.getDays()
integer.getHours()
integer.getMinutes()
integer.getSeconds()
void.setDays(integer nDays)
void.getHours(integer nHours)
void.getMinutes(integer nMins)
void.getSeconds(integer nSecs)
```

FieldDesc

```
integer.getFieldCount()
integer.getFieldIndex(String strFieldName)
String.getFieldLabel(integer nField)
String.getFieldName(integer nField)
integer.getFieldPrecision(integer nField)
integer.getFieldType(integer nField)
double.getShapeFieldPrecision(integer nField)
```

