KML Exporter Utility Overview:

This utility exports STK generated data as points, lines, and polygons in the form of KML files that can be viewed in any KML-compliant application. In addition to point, line, and polygon features, the utility exports supplemental data in the form of a KML description tags within these features that can be access from Google Earth via click or ctrl-click on the desired feature. The STK data produced with this utility will work with the latest versions of Google Earth, NASA World Wind, and ArcGIS Explorer.

KML Exporter Procedure:

1. Unzip the KML Exporter utility to any location on your computer, keeping all of the unzipped files in the same folder.

2. Open STK and load in an existing STK scenario or create a new one. The analysis computed for objects present in your STK scenario (access, object routes, coverage, sensors, etc.) will be the pieces available in the Export tool once the tool is loaded inside of STK.

3. Make sure that the "HTML Viewer Control" toolbar is present in your top STK toolbars area. If it is not, right click anywhere in STK's toolbar area and select the toolbar from the available list.

4. In STK's toolbar area next to File and Edit, click the View button, then select HTML Viewer to open a new HTML window in STK.

5. Using the Browse button on your HTML Viewer Control toolbar, find the KML Exporter *.htm file that you unzipped and hit Open. This will open and dock the KML Exporter HTML tool inside of STK.

6. Specify the directory to write the KML files to. If left blank, the data is stored in a folder labeled "KMLdata" which is located in the default STK user directory.

7. Select which objects present in your STK scenario to export as KML data by checking the box next the object name in the Exporter utility object tree. Analysis objects attached to vehicles, such as a sensor on a satellite, will be located underneath the parent object. Allow Active X control if prompted.

NOTE: The KML Exporter utility must be refreshed to capture changes made to your STK scenario, such as objects added or deleted or access calculations computed or removed. Do this by hitting the Refresh button in the tool.

8. Open your virtual globe application and bring in your KML files by selecting File > Open with the *.kml file extensions showing in the Files of type field. If direct interaction with Google Earth is desired, connect to Google Earth by pressing the icon located at the top of the utility. This will open Google Earth for you to feed your STK data directly into Google Earth after converting them into KML files.

NOTE: If Google Earth fails on connect, try launching from outside of STK.

Miscellaneous Notes:
- This utility exports dynamic STK analysis data in STATIC form. Dynamic coverage contours are not currently supported by this export utility and will not display correctly in your virtual globe.
- Sensors are exported as pattern intersections spaced according to the current animation time step set in STK.
- Altitudes of objects may appear different in Google Earth if Elevation Exaggeration is not set to 1.
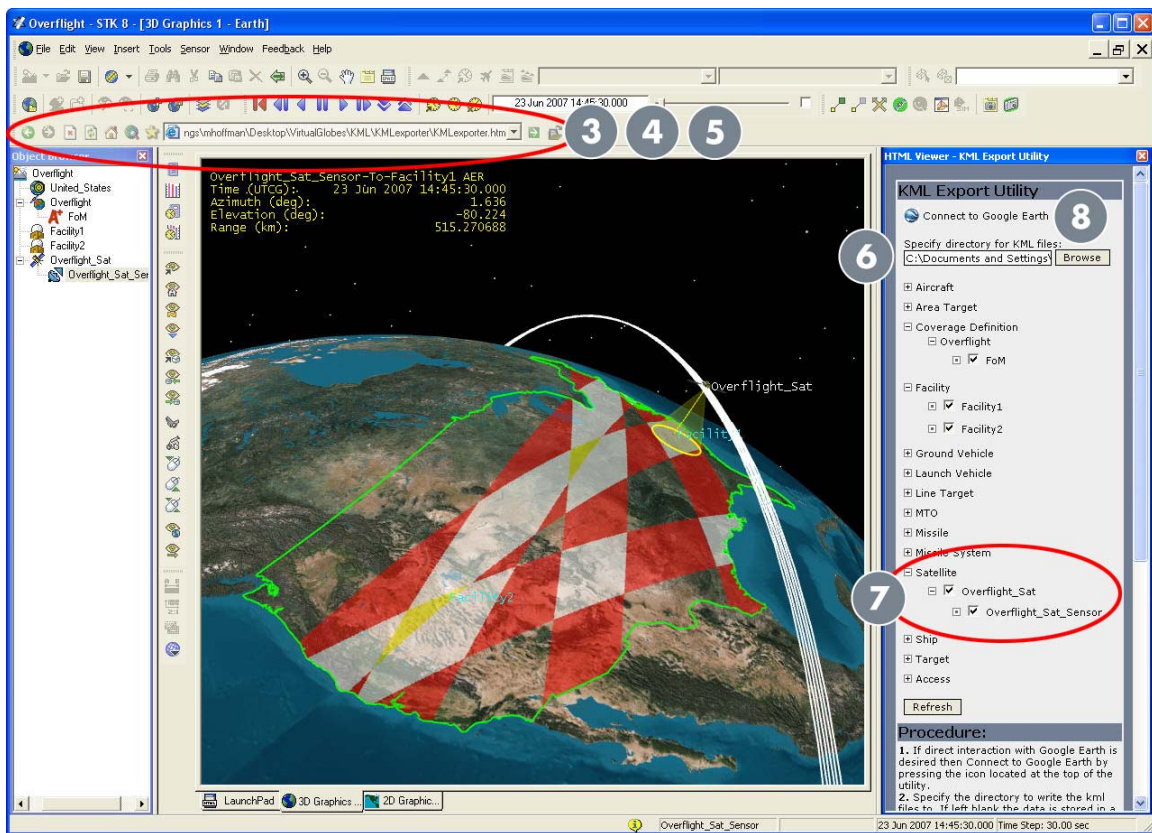
The numbers shown in the diagram correspond to the steps listed in the procedure.