



Release of SDM 3.2.5

I. Changes since 01/10/2002

A. Enhancements

- Support for NRMR maps (maps without datum and projection)
- Fixed-size transient labels, via TextAPI
- Symoblization of CARIS line layers and transient line features, via MapAPI
- Configurable splash and about box, via bitmap in support directory
- New API method LineAPI.getLocAlongTrackAtTime
- Override of data readout units, via new SAF header tags
- Data protection can now be applied selectively to datasets referenced by SAF
- SDM can now read GeoTIFF images
- While in line drawing mode, temporary line drawn with mouse now automatically takes on color complimentary to the local background (instead of being white)
- New ViewAPI methods getCanvasWidth and getCanvasHeight.
- Chinese labels coming into textAPI and LineAPI.showSymbolAtLoc required developers to first change the default font to a chinese font. SDM now detects that labels contain Chinese and switches to the default Chinese font.
- Polygons that are displayed with solid fill can be printed with non-solid fill
- LineAPI.appendPoint now supports 3D lines
- PointAPI methods getCurrentDefaultSize and getCurrentDefaultSizeFlag implemented
- New MapAPI method: getBkgndColorAtLoc
- New LineAPI method: overrideDefaultTrackFont
- New ProgramAPI method: synchronizeManagers
- New ViewAPI method: selectFeature
- New SAF YES/NO tags: "annotation allowed" and "classification allowed" determine the result from new LayerAPI methods annotationAllowed and classificationAllowed, respectively. These methods return boolean values.
- New auxiliary print out controlled by a print profile in the Support directory.
- Improved handling of transient polygon redraw
- New SAF ON/OFF tag: "drag visibility" allows for layers to become invisible during drag operations. Default value, i.e. when tag not present, is ON
- Defaults for SAF tags "visibility" and "overview visibility" now ON
- Shape API now supports polygons with holes
- ViewMngrAPI.setBrightness now effects transient layers and layers that are invisible at the time the function is called
- New SDM menu item View=>Compass causes compass points to appear in upper-left corner of opened view(s)

B. Bug fixes

- Failure during draw of transient lines under unusual conditions
- The following methods would fail when used on empty layers:

LayerAPI.getNumFeatures
MapAPI.containsFeature
MapAPI.setCurrentGeometry
MapAPI.getFeaturesInCurrentPolygon



ShapeAPI.createCircleAtPoint

- Transient feature redraw errors after ViewAPI.setExtent
- LineAPI.showSymbolAlongTrackAtTime - symbol did not show at times corresponding exactly to line vertices (except the 1st)
- LineAPI.showSymbolAlongTrackAtTime - symbol did not show at locations along track outside the map's cover
- While in line drawing mode, snap-to did not work on 1st point
- MapAPI methods getDistance and getBearing now produce correct results for vertical profiles (when given unscaled y-values)
- Temporary SAFs (containing full paths) are now placed in directory [d]:/Temp, where d is the first fixed drive on the system, and given a unique name. This, allows the SDM to continue to support multiple SAFs for a dataset.
- SDI Mode: did not clean-up APIs when document changed
- SDI Mode: did not grey-out tools and managers menu when view initially empty
- CSF did not handle fixed-size labels containing a mixture of Chinese and English characters
- After dynamic classification via LayerAPI methods doUniqueClassification or doRangeClassification, original layer color was being used in area redraws.

II. Managers

A. New manager –

Polygon Manager

- Create and maintain polygon with multiple islands (polygons).
- Define polygon property for analysis such as a warning zone

Interval Manager

- Provide precise time stamps on tracks in operations
- Create operational report automatically.

B Enhancement

- The Route Manager has been given the ability to modify the route display by feature code, Line symbolization, color and line weight. Values are initialized with configuration file values if there is one.
- Interval Point Reporter - Print Preview reflects result. Interval Point Manager and Interval Point Reporter work with History Manager configuration file for display settings of the interval track