Ensuring Safe Operations
The optimum tool for obstacle clearance compliance

SKYSAFE™
Innovative Software for Safe Airport Operations

For airport planners, being able to keep track of temporary and permanent obstacles within the airport and its flight path perimeters is vital. SkySAFE, a CAD-based software, allows accurate and efficient analysis of existing or potential obstacles in an airport’s surrounding environment, to ensure these do not penetrate or threaten the obstacle limitation surfaces defined in regulatory guidelines. This, in turn, helps ensure maximum safety in all aircraft operations.

SkySAFE is a useful tool for airport planners, operators and safety managers involved in protecting and monitoring runway departure and approach paths. Effortlessly create obstacle limitation surfaces and analyze the impacts of these surfaces, or any obstacle or terrain that has been imported in just a few clicks, saving immense amount of time on otherwise tedious and time-consuming tasks.

At Transoft Solutions, we pride ourselves on developing and supporting productivity-enhancing software solutions that help users deliver projects on time and on budget.
Analyze Terrain Interference
SkySAFE offers functions for fast and reliable analysis based on geographical input. These capabilities allow the creation of a SkySAFE™ terrain from the import of survey coordinate data to assess resulting clearances and potential interference with approach and departure procedures.

Complex Multi-Runway Environments
Accurately model an airport’s operational environment, with single or multiple runways, parallel or crossing. A single merged Obstacle limitation surface can be generated for all runways, or they can be created as individual parts in just a matter of seconds. Further details such as cross-section or contour lines details can be added to further communicate 3D airspace in simpler 2D view formats.

Fixed or Temporary Obstacles
Once an airport’s operational environment has been modeled with SkySAFE™, only a few clicks are required to analyze the impact of fixed objects such as buildings, power lines, lighting pylons or trees/wooded areas. What’s more, these same commands can also be used to quickly and efficiently analyze temporary obstacles, such as cranes that may remain in location for a fixed period of time requiring special notices for airmen and conspicuity lighting while on site.

Logical Workflow for Accuracy and Ease of Use
SkySAFE’s workflow processes that ensure that no critical entry item is missed. The software is based on user input and software program methods that provide the utmost in accuracy with regard to items such as runway types (lengths and widths), displaced thresholds, longitudinal runway elevations, surface locations and dimensions, and overall 3D depictions. All this means a reduction in CAD drawing time and decreased plan generation costs.

Obstacle Intersection Visualization
SkySAFE features a toolset to analyse the impact of imported or individually specified obstacles on ICAO, EASA, FAA, BMVBW (Germany) or TP312 4th/5th (Canada) limitation surfaces in a 2D or 3D environment.
Platform Compatibility

Platform Requirements
Autodesk® AutoCAD® 2013 – 2021 (except AutoCAD LT)
Autodesk® Civil 3D® 2013 – 2021
Bricsys® BricsCAD® V20* – V21 (except BricsCAD Classic/Lite)
*Version 20.2.09 or later

Languages Available
English

System Requirements
Full support for 32 and 64-bit operating systems
Workstation: Windows® 7 SP1, 8, 8.1, 10

Maintenance Assurance Program
Our technical support personnel are always well informed of new product functionality and issues can be quickly resolved. With our Maintenance Assurance Program (MAP), you receive premium assistance for all your technical needs. Subscribing to the MAP gives you freedom from costly upgrades, unexpected staff downtime, or any disruptions due to operating and CAD system conflicts without the concern of per incident charges. The benefits of being on MAP includes: cost protection, priority support treatment and exclusive privileges.

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Contact the Aviation Team

English
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Transoft Solutions offers innovative, state-of-the-art software and services for the aviation industry. Whether a project involves airport or airspace modeling, airside planning and design, obstacle limitation compliance or terminal simulation, Transoft has a solution to help complete the task confidently and accurately in a time-efficient manner.

www.transoftsolutions.com