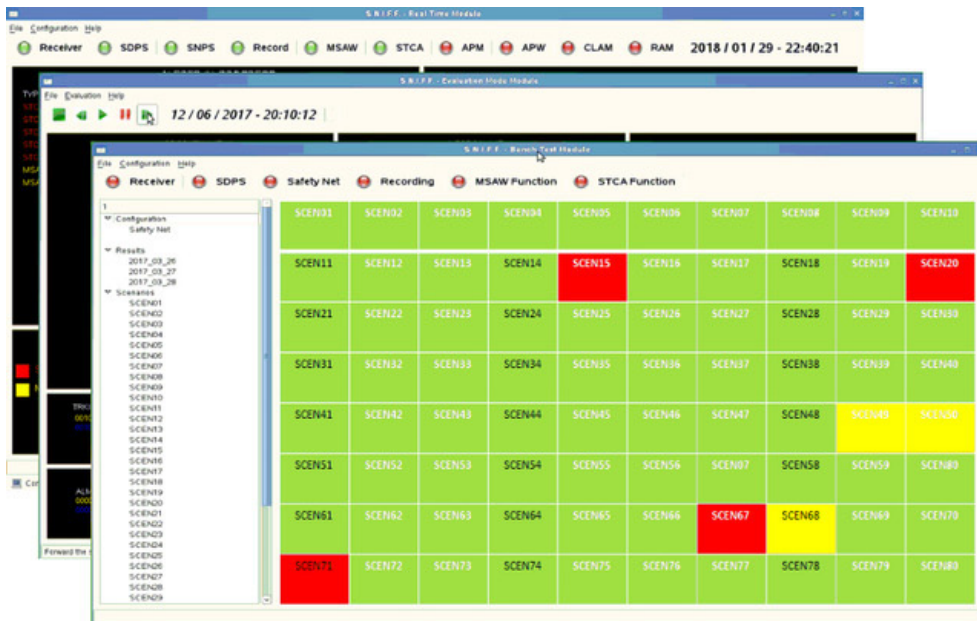


## Safety Net Inspector Frame by Frame



## FEATURES

- Intuitive user friendly HMI
- Allow incident/accident analysis in four dimensions
- Suitable for SNPS calibration
- Export data for quantitative/qualitative statistics reports
- Seek for non-triggered alerts that could represent potential incidents
- Configure algorithm parameters based on the operational SNPS

**SNIFF** is the tool to ensure that your Safety Net system is implemented correctly, produces reliable alerts to air traffic controllers, and follows EUROCONTROL's and the FAA's best recommendations for:

- STCA: Short Term Conflict Alert
- MSAW: Minimum Safe Altitude Warning
- APM: Approach Path Monitor
- APW: Area Proximity Warning
- CLAM: Climb Level Adherence Monitoring
- RAM: Route Adherence Monitoring

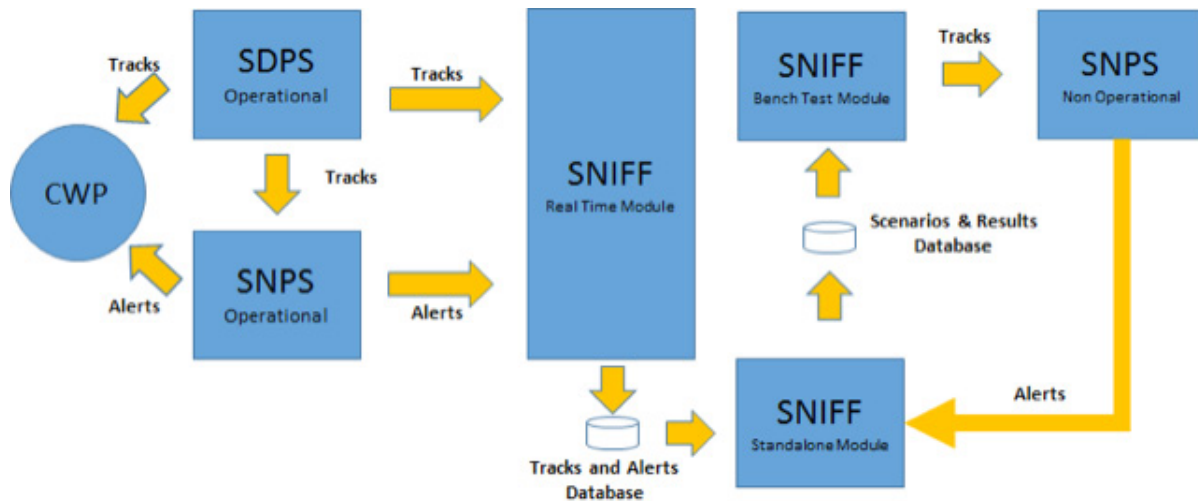
SNIFF receives tracks from SDPS (Surveillance Data Processing System) and alerts from SNPS (Safety Net Processing System), in standard protocols, and combines and processes them in an intuitive HMI. SNIFF is ATC system agnostic, enabling the system to be implemented in any control center environment

SNIFF is designed to support real world ATC procedures to guarantee and enhance air traffic safety in an enroute and approaching center.

SNIFF is divided into 3 modules:

- Real Time Module: Receive, process and record tracks from SDPS and alerts from SNPS, generating real time statistics and current alerts awareness
- Evaluation Module: Evaluate any type of recorded operational incident, triggered and untriggered, guiding the user to achieve technical and operational conclusion about the incident, inside the air traffic control context
- Bench Test Module: Creates scenarios with different profiles to be injected into SNPS, testing your SNPS reaction, so enabling SNPS calibration

# S.N.I.F.F.



**SNIFF** can be delivered embedded on a COTS hardware platform which will be factory configured, including the disk array for recording purposes. SNIFF is deployed in a powerful, versatile and modular 1U platform designed for LAN to LAN processing. The SNIFF unit is scalable and modular, providing the capability to incrementally add fault-tolerant RAID provisioning to achieve greater levels of system performance, reliability, and larger data volume sizes. Real-time flow statistics of the I/O data and full Simple Network Management Protocol (SNMP) support is also provided. SNIFF comes standard with dual Gigabit Ethernet ports but can also be ordered with an optional 4-port Ethernet card for future network demands. SNIFF utilizes the FAA field deployed **Sunhillo Surveillance Gateway Processor (SGP)** hardware which features:

- Linux OS
- Standard / Custom Message Formats
- 1U Rack Mountable Chassis
- 10Base-T/100/1000Base-TX (GbE)
- Dual port Ethernet (Standard)
- Optional 4-port Ethernet interface
- Redundant RAID Hard Disk option
- Front panel indicators and monitoring
- TCP/IP and UDP/IP protocols
- Auto-Switching 100/240VAC power supply

SNIFF system licenses can be acquired as follow:

- SNIFF Real Time Module: up to five simultaneous users
- SNIFF Standalone Module: one license per user
- SNIFF Bench Test Module: one license per user

In case of your ATC system doesn't output tracks in standard protocol (ASTERIX Category 62) or doesn't output alerts in standard protocol (ASTERIX Category 04), contact us that we can develop an interface for SNIFF to be integrated into your ATC system.



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