

INTEGRATED REAL-TIME INFORMATION SYSTEM IRIS

The Integrated Real-time Information System (IRIS) integrates ATC, MET and AIS information into one common flexible presentation. The controller now has a superior overview of information previously spread over several separate console displays.

IRIS provides enhanced situational awareness and better ergonomics for the controller, and it improves the airport's safety.

Real-time information for all airports

IRIS is a scalable real-time information system, used at both domestic and international airports, in TWR, TMC and ATCC.

Installations can either be stand-alone or part of a nationwide network with local and central servers for backup, site administration and centralized documentation distribution.

Combined presentation

Both dynamic and static information is collected, stored and processed. The result is displayed in a customizable user interface.

IRIS combines numerous information sources, such as navigation aids status, MET data, AFTN messages, flight data, surveillance cameras, administrative data and AIP documents.

Communications and remote-control

IRIS has internal communication functions at both the site level and national level. E-mail, system messages and briefings can be distributed across the system, providing the controller with weather forecasts, maintenance information, operational information, etc.

The remote control and monitor function can interface runway lights, NAV aids, radar stations, etc.

Role-based

IRIS is role based and highly adaptable to the user's needs. The component based user interface can easily be customized by the system administrator.

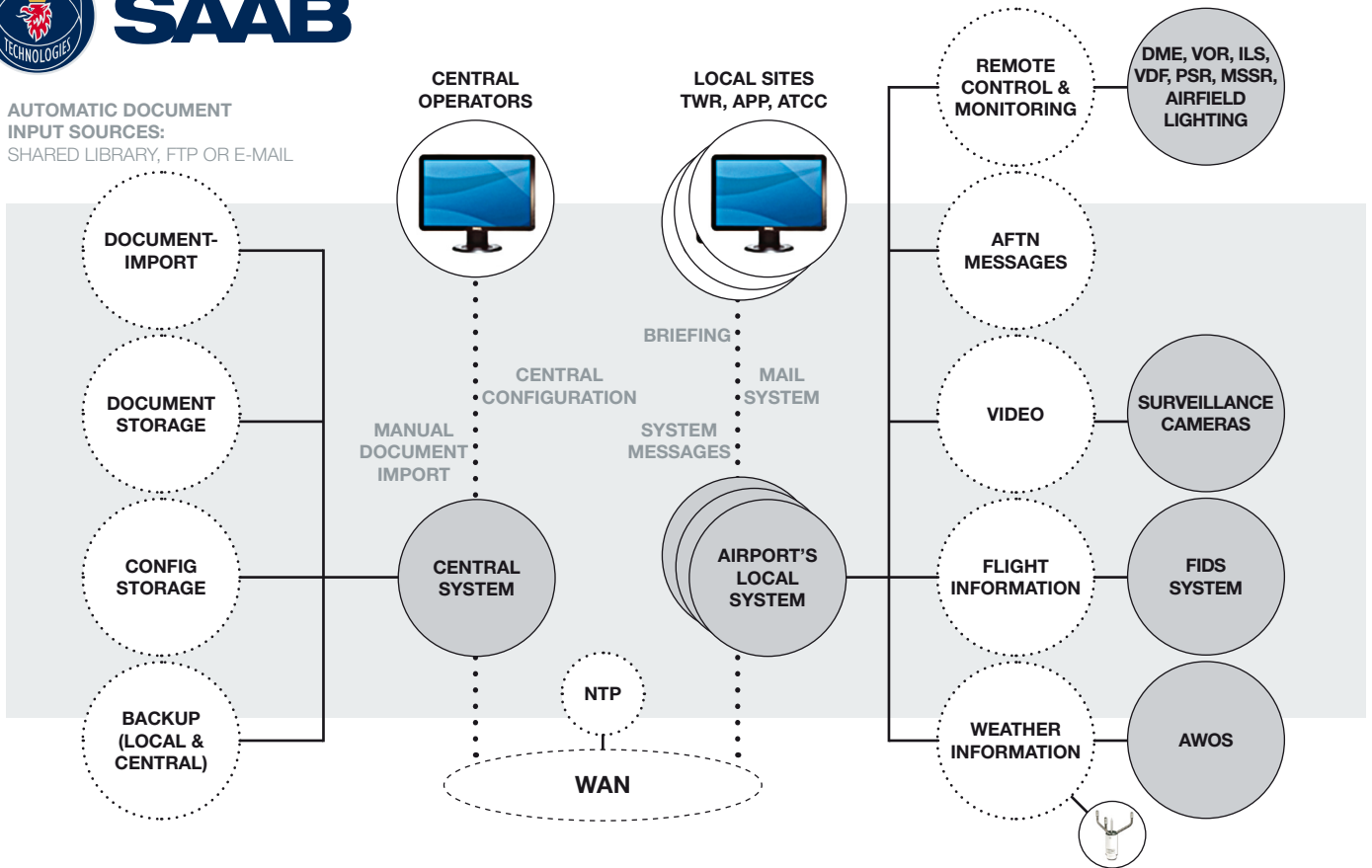
Prepared for future upgrades

The system comes with a set of components that exchange information through plug-in information channels. New components can be developed in-house or by third-party vendors and added to the system.

A standard web browser equipped with Java is used to access the system, permitting thin client architecture and minimizing the installation work.



AUTOMATIC DOCUMENT INPUT SOURCES:
SHARED LIBRARY, FTP OR E-MAIL



HARDWARE <ul style="list-style-type: none"> Standard PC units or redundant server systems 	STATIC INFORMATION <ul style="list-style-type: none"> Maps, Publications (AIP, AIC, etc), Manuals Site specific information and regulations Conversion tables and tools Quick reference cards Sunset/night and sunrise/day 	REMOTE CONTROL & MONITORING <ul style="list-style-type: none"> Saab Remote Control & Monitoring System (RCMS) is an integrated part of IRIS and used for control and monitoring of NAV aids, radars, airfield lighting, etc
SOFTWARE <ul style="list-style-type: none"> Based on a standard WEB browser (clients) Operating system independent (Windows, Linux, UNIX) Open source software can be used (MySQL, JBoss, Apache, etc) SQL Database TCP/IP, Transmission Control Protocol XML, Extensible Markup Language HTML, HyperText Markup Language J2EE, Java Enterprise Edition JMS, Java Messages Service JAAS, Java Authentication and Authorization Service EJB, Enterprise Java Bean Java Servlets Java Applets 	DYNAMIC INFORMATION <ul style="list-style-type: none"> AFTN messages (METAR, SPECI, TAF, TAF/AMD, SIGMET, NOTAM, SNOWTAM, WIND-SHEAR, LLF, QNH, ICE, IGA) Wind Indicators Weather sensor values Graphical weather charts Thunderstorm information Video (snapshot and streaming) Navigation aids status Airport and flight information 	INTERNAL COMMUNICATION <ul style="list-style-type: none"> Briefing, simple or extended System messages and alerts Internal mail
		STATISTICS <ul style="list-style-type: none"> Logging of the controllers operational hours of service in each working position

Specifications subject to change without notice

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