

Datasheet: DIVOS

ATM-grade recording & investigation

Thorough documentation of all activities and events is a vital task for Air Navigation Service Providers (ANSPs) to ensure a safe and high quality ATC operation. The DIVOS recording solution provides supervisors and investigators easy access to securely stored ATM-grade recorded audio, video, message, and data communications. DIVOS scales from single to distributed recording systems and supports the ANSPs' operational mission with powerful tools and APIs for full integration within the existing safety-critical environment.

Key features

Investigation at its best

The browser-based "DIVOS Investigate" with its intuitive and workflow-oriented design, has been developed in close cooperation with ANSPs' safety groups led by Frequentis' award winning user interface design team. It enables users to handle complex scenarios to reconstruct, analyse and document incidents with less effort.

Centralised service for ANSP

With its centralized operations approach, DIVOS enables multi-site investigations and decreases OPEX through centralized maintenance concepts.

Secure storage and data access

Confidentiality and integrity protection of all recorded information is guaranteed during its lifetime from recording to storage, user access and secure deletion. The integrated audit log services document all user activities.

One solution fits all

DIVOS scales from small to large, distributed, and fully redundant system configurations – even supporting virtual data centre deployments to move your data into the (private) cloud.

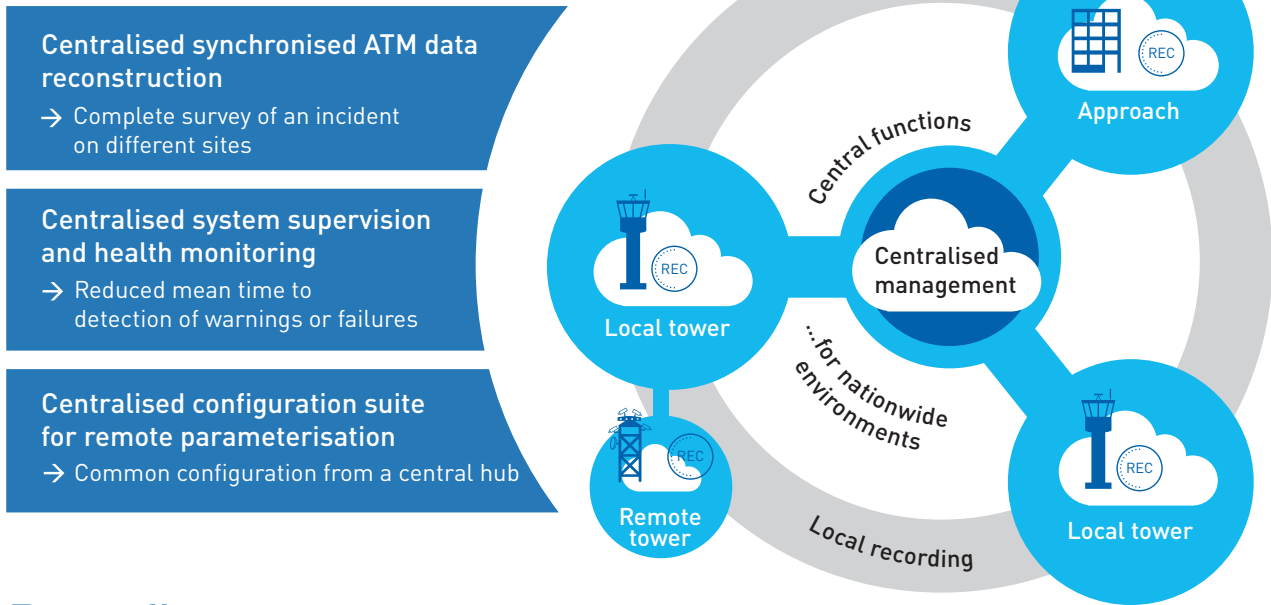


DIVOS at a glance

- ED-137 compliance guarantees full interoperability
- CPDLC recording including metadata processing
- Centralised operation of networked systems, for monitoring, configuration, and investigation
- ATM-tailored, browser-based investigation client combining all data at once
- Synchronised playback with ATM systems
- Unrivalled playback and export functions for "at the glass" recordings
- Frequentis processes enable ANSPs' to operate in compliance with EC 482

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Benefits

Easier investigation and coaching

Training and incident analysis requires the presentation of all information that was available to the controller and his taken actions. "DIVOS Investigate" supports the complete reconstruction of several positions, even from different sites, to follow up their interactions.

Metadata-centric operation

DIVOS enables investigators to perform efficient situational analysis by instantly providing the data of interest through directed metadata queries.

Worry free life cycle

Software maintenance ensures operational availability through patch management of all Frequentis and 3rd party software like the operating system. It also enables participation in product evolution within the licensed scope.

Support Services

Frequentis is well-regarded for its expertise and commitment in project handling and subsequent support services. This secures the customer's budget, schedule and operation throughout the entire life cycle.

Technical specifications

Recording	VoIP: ED-137, SIP, Cisco CUCM, Alcatel IP-DR-Link Legacy audio: analog, PCM30, ISDN BRI/PRI, PBX UP0, CTI Alcatel DR-Link G.711, G.729, Speex compression At the Glass: VGA/DVI/DP up to UHD ATM data: ASTERIX, CPDLC, IP data
Scalability	Unlimited number of concurrent recording streams and networked systems
Availability	Redundancy on component and system level to achieve up to 99.99999 %
Security	End-to-end encryption and integrity protection Integration in customer's user administration Authorisation control on recording, application and functional level
Environment	COTS IT server, client and network infrastructure Microsoft operating system and database Virtualisation support for (private) cloud operation

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