FTAS

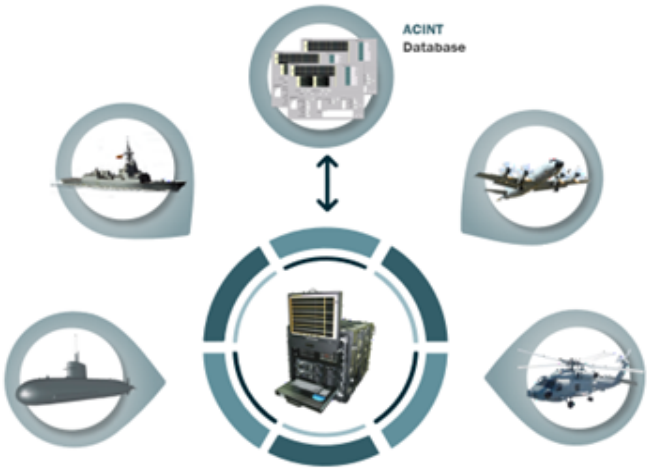
Fast Time Analyzer System

Acoustic Intelligence Database (ACINT) is fundamental to support ASW and naval missions. The ACINT is built from the analysis of the raw data recorded from acoustic sensors onboard submarines, surface ships and ASW aircrafts and helicopters. The analysis of this data is performed by means of Fast Time Analyzer Systems (FTAS).

SAES has developed a FTAS to support Maritime Patrol ASW operations. FTAS provides post-mission acoustic signal analysis and intelligence gathering by means of replaying and processing simultaneously the acoustic signals recorded during operation.

FTAS system permits

- To confirm the acoustic detections obtained during operation.
- To perform new acoustic detections on previously missed targets during operations.
- To store the acoustic detections in digital format so that the Acoustic Intelligence Database (ACINT) can be updated to be used on future operations.



Main Capabilities

Design based on a COTS generic architecture, which allows for expansion with minimal changes, as well as the analysis of audio signals (either analog or digital) acquired by any acoustic sensor.

Analysis of the acoustic data recorded during the ASW operation, in either real, fast or slow time speed.

Store on digital format, according with the STANAG-4283, the recorded missions and the processed acoustic information, in order to create and manage an acoustic intelligence database (ACINT).

Creates and manages a SVP and Ambient noise data base.

Tactical information is displayed over a Geographic Plot, allowing the use of localization help tools as EGP, AGP, LOFIX, HYFIX, Automatic Cross Fixing, TMA, CPA and DOP-CPA.

FTAS is one of the most powerful ASW tools nowadays

FTAS is operating in diferent countries.
FTAS is installed in multiple platforms (Submarines, Surface Ships, ASW Aircraft and Helicopters)
FTAS is operating under diferent confguration, including transportable version.
FATS is installed in Acoustic Laboratories and Mission Support Centers to support ASW operations.

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