

# PALTESTER

## SOFTWARE FOR RADAR ESM PERFORMANCE ANALYSIS



## PALTESTER

## Radar ESM

## Performance Analysis

### Overview

PALTESTER is a desktop software application that enables the analysis of the identification performance of an automatic Radar ESM system.

### Background

PALTESTER was created to provide military analysts with tools to analyse the identification performance of ESROE's THORONDIR emitter identification software used in operational Radar ESM systems.

### Application

PALTESTER is a desktop application for MS Windows XP, 7 and 8.

PALTESTER connects to a live ESM system or ESM processing software to re-identify recorded or simulated ESM intercepts.

Detailed explanation of the reasons why a particular emitter identification has been selected is available for use with the THORONDIR emitter identifier



Figure 1 - PALTESTER

### Features

Intuitive graphical user interface.

Socket based ESM system interface with published message set for interface to other ESM systems.

Published file format for ESM intercept data to be analysed.

Identification of unknown intercepts using built-in identification algorithm. User emitter database can be used, or unclassified database can be supplied.

Assessment of identification performance against a given data set according to defined performance metrics.



Figure 2 – Performance Assessment

### ESROE LIMITED

ESROE LIMITED is a UK-based, Electronic Warfare company specialising in Electronic Surveillance software and solutions. ESROE's origins are in the Defence Science and Technology Laboratory (Dstl), where the software was originally created.

ESROE's software products have been created to protect and defend naval, airborne and land based systems, vehicles and formations against radar and radio threats. ESROE continues to develop state of the art software to meet ever changing requirements.

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