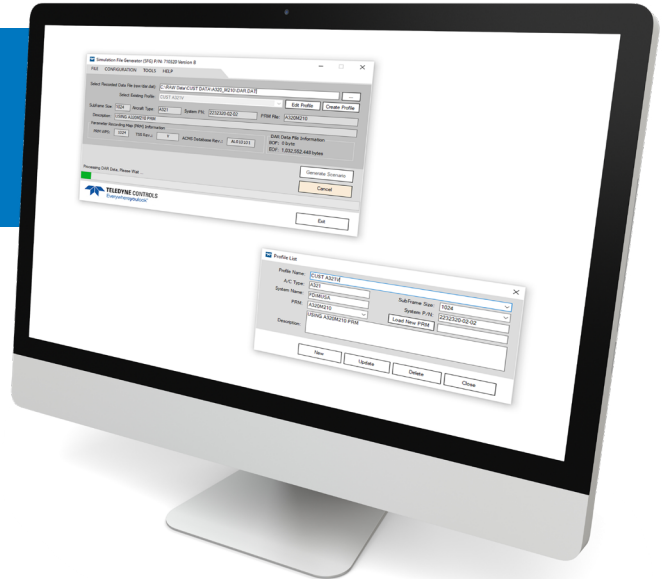# SFG Simulation File Generator

Enhance your ACMS Applications with Real Flight Data Scenarios

A great addition to Teledyne's AGS and ACMS Tester applications, Simulation File Generator (SFG) is a software tool that simulates flight scenarios based on actual flight data. Using real recorded parameters' data values, instead of simulated values, enables aircraft operators to test and verify their ACMS applications more accurately, allowing them to increase the overall capabilities and performance of their ACMS

Benefits:

- Simulate fight scenarios with actual recorded flight data
- Flight scenarios can be automatically generated for multiple flights in just one click

Key Features:

User Profiles

- Pre-configured user profiles for SFG automation
- User profiles stored in XML files for retrieval, updates and deletion

Data Files

- Support ARINC-717 data recording format
- Support over 2GB raw data files
- Support data that is recorded from Teledyne's FDIMU and DFDAU units

Output

- SFG scenario files can be used with
  - ACMS Tester Flight Simulation
  - Teledyne Flight Simulation software

Data Files

- Process recorded raw data
- Detect recorded parameters defined in the recording map
- Collect airborne recorded parameters values
- Output all mapped parameters and values to SFG scenario files for flight simulation

Recording Map Parameters

- Support 128, 256, 512, and 1024 word per second (WPS) recording map
- Support multi-Hertz recording samples calculation (32, 16, 8, 4, 2, and 1 HZ)

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