PRODUCT DATA

Radar and Flight Information Capture Module — Type 7675

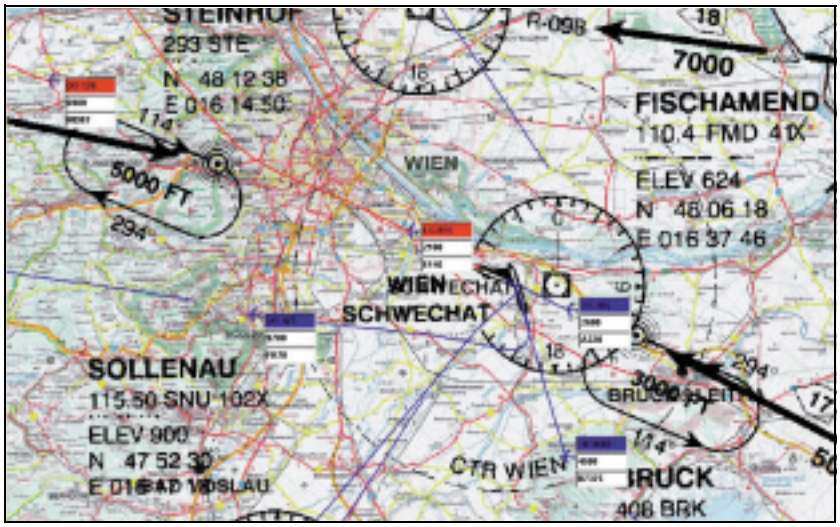
The Brüel & Kjær Radar and Flight Information Capture (RAFIC) Module Type 7675 is a software package for real-time monitoring of flight and radar data. RAFIC is used in conjunction with software packages for Flight Tracking and Noise Monitoring Types 7802 and 7804. RAFIC accepts all known radar formats, including ASTERIX. The RAFIC filters the data for unwanted transponders and flights outside the area of interest. RAFIC requires no user intervention during the course of its normal operation.

USES

- ❍ Real-time airport traffic monitoring
- ❍ Radar and flight data collection

FEATURES

- ❍ Real-time flight tracking
- ❍ Built-in flight/radar database
- ❍ Filter functions
- ❍ Easily configured PC platform
- ❍ Accepts A and C type transponders



Introduction

Radar and Flight Information Capture Module Type 7675 is a part of the Airport Noise Monitoring System. The software module captures, filters and stores radar and flight information data in a database for noise and flight correlation. Furthermore, the module provides real-time flight tracking to the Airport Noise Monitoring System.

The above illustration shows real-time data from Airport Noise Monitoring Software Type 7804 using data from the RAFIC Module Type 7675.

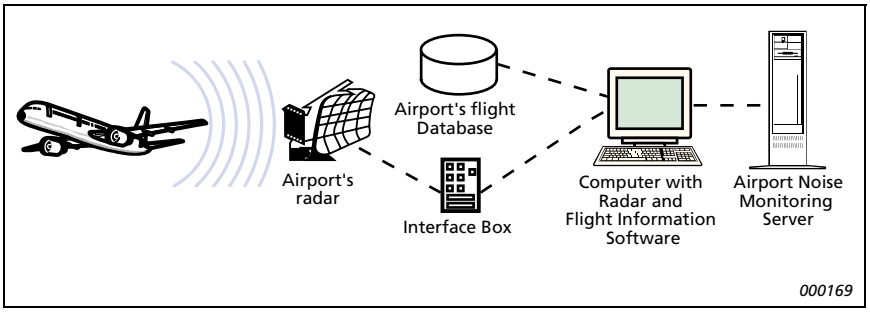
The RAFIC system runs on a stand-alone PC, or installed on the main Airport Noise Monitoring server. The application runs in a Microsoft® Windows NT® environment.

The program runs without operator intervention, collecting data in real-time and storing it for later noise correlation.

Advanced Filtering

The RAFIC can be configured to filter the radar information for specific transponder (squawk) codes, such as 7500 (hijack), 7600 (communication failure) and 7700 (emergencies). The filtering function can also reject storage of flight tracks outside the area of interest. For example, overflights at high altitude can be filtered out and are then not visible in the flight tracking system.

Fig. 1
RAFIC system overview showing the interface of individual units



Specifications – RAFIC Module Type 7675

SOFTWARE TYPE 7675
This software is supplied on a single CD ROM. The software has to be factory configured for the interfaces with the radar and flight information system

DATA COLLECTION
Data is collected via two asynchronous lines, one for radar information, one for flight information
Access to reports and the ASCII/DBF files which comprise the system database

COMPUTER REQUIREMENTS
Computer: IBM® compatible with 2 communication ports and one LAN connection
CPU: Pentium II, >400 MHz
RAM: 128 MB
Operating System: Windows® NT 4.0

OPTIONAL ACCESSORIES
Line Converter: for synchronous to asynchronous line conversion

Brüel & Kjær reserves the right to change specifications and accessories without notice

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BP 1881–11

HEADQUARTERS: DK-2850 Nærum · Denmark · Telephone: +4545800500 · Fax: +4545801405 · http://www.bksv.com · e-mail: info@bk.dk
Australia (02)9450-2066 · Austria 0043-1-8657400 · Brazil (011)5182-8166 · Canada (514)695-8225 · China (86) 1068029906
Czech Republic 02-67021100 · Finland (0)9-755 950 · France (01)69907100 · Germany 06103/908-756 · Hong Kong 25487486 · Hungary (1)2158305
Ireland (01) 450 4922 · Italy 02 57 68061 · Japan 03-3779-8671 · Republic of Korea (02)3473-0605 · Netherlands (31)318 559290 · Norway 66771155
Poland (22)858 9392 · Portugal (1)4711453 · Singapore (65) 377-4512 · Slovak Republic 421 7 544 307 01 · Spain (91)6590820 · Sweden (08)4498600
Switzerland (0)1 880 70 35 · Taiwan (02)7139303 · United Kingdom (0) 1438 739 000 · USA 800 332 2040
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