

Product Overview

The FILBICO Surveillance Data Filter (SDF) is a modern unit designed to surveillance data filtering and declassification, fully configurable via user friendly GUI. The solution is equipped with certified Data Diode enforcing unidirectional data flow.

SDF is dedicated to civil and military surveillance data networks.

Data filtering

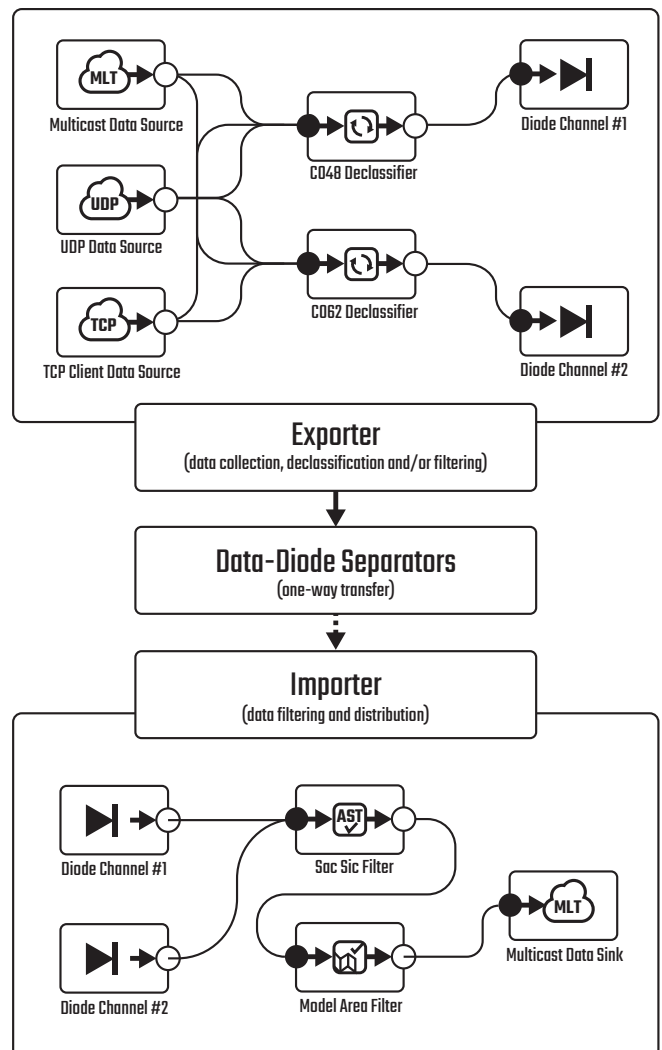
- Data source (multicast group, port, IP address)
- ASTERIX & AWCIES categories & UAPs
- Source SAC/SIC
- Flight Level/Altitude
- Heading & Speed
- Geographic filters (Range/Azimuth, Cartesian & WGS coordinates)
- Custom filters based on any ASTERIX & AWCIES protocol field value

Data declassification

- Automatic removal of declared protocol items
- Automatic modification of declared protocol items and/or fields

Security

- Unidirectional data flow guaranteed by certified Data Diode
- Protected filter configuration profile
- Support for safety HW topology
- Support for HW failover



Hardware components

- Exporter unit (data collection, filtering & declassification server)
- Transmitter and receiver unit (unidirectional data flow via physical fibre-optic separators)
- Importer unit (data filtering & distribution server)

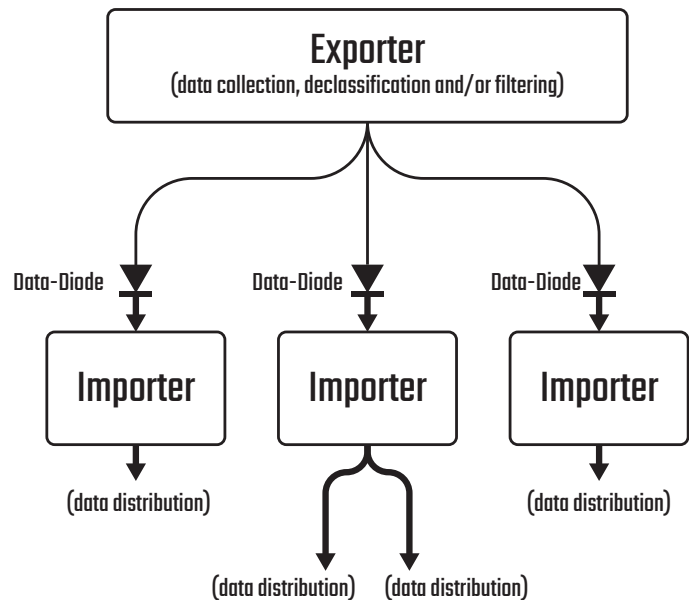


Hardware specification

- Exporter and Importer units: COTS servers depends on performance requirements, basic configuration: 1P E3-1220v6, Rack 1U, 16GB RAM, 2xGE LAN, 1PSU.
- Transmitter and receiver unit: One Way Data Transfer Regulator SPS-1G/TX/RX-01 (1Gbps bandwidth)

Interfaces

- Ethernet 10/100/1000Base-T (up to 5 in basic configuration)



Software environment

- Operating system Red Hat Enterprise Linux 7

Software development standards

- Quality ISO 9001
- AQAP-2110
- AQAP-2210

Delivery

- Date of delivery 3-4 months
- Hardware fully equipped unit

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ISO 9001:2015
AQAP 2110:2016
AQAP 2210:2015
Certificate of ICS
NCAGE
License of MOIA
FSC 1st Level Secret
FSC 1st Level NATO SECRET

