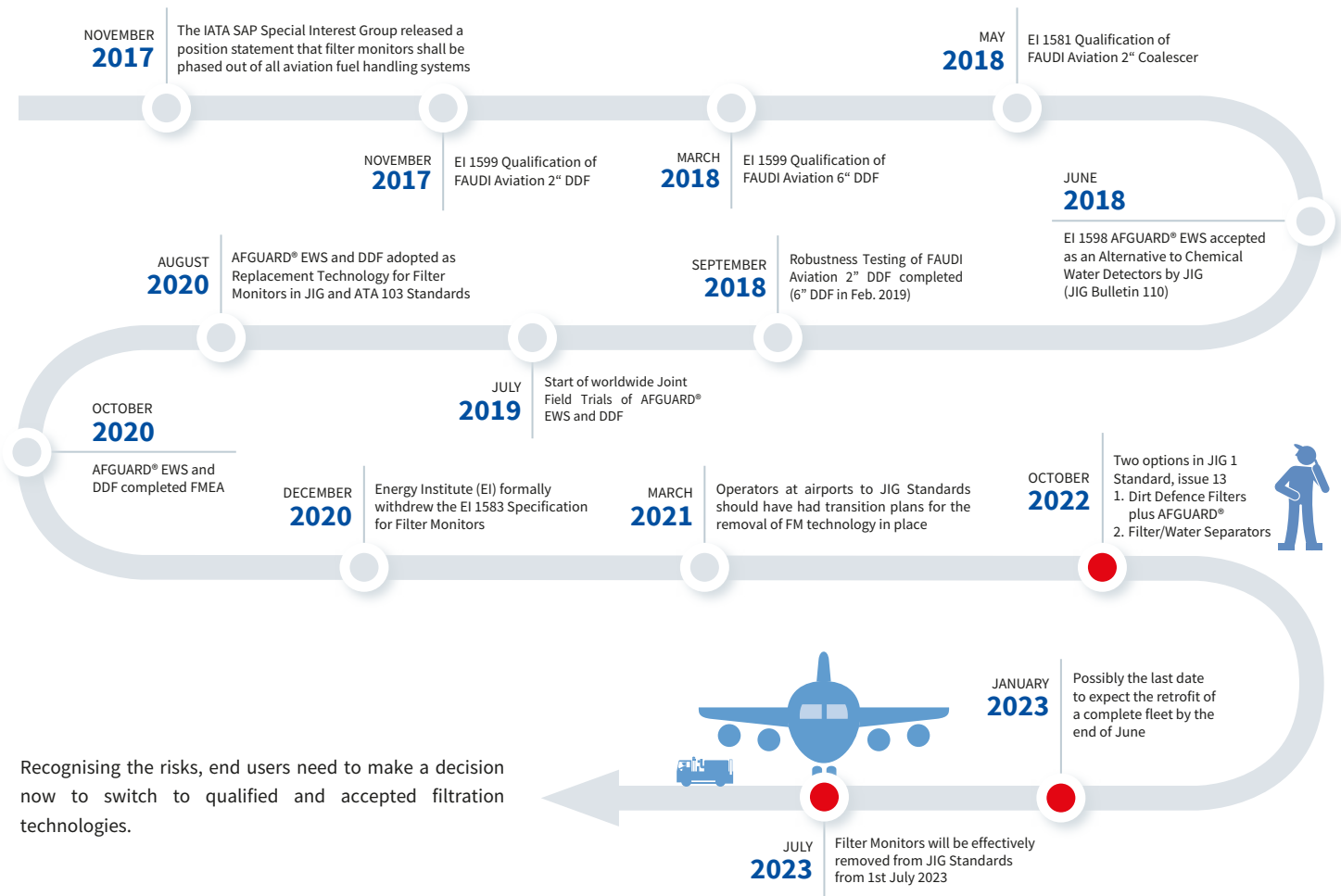


# THE FAUDI GUARDIAN



## Route to SAP-Zero 2023

Continuation of the FAUDI GUARDIAN “Global Standard Filtration Technologies”, May 2021.



Recognising the risks, end users need to make a decision now to switch to qualified and accepted filtration technologies.

### Smooth transition away from SAP-filter monitors

- ▶ Assessment of availability of Alternative Filtration Technologies
- ▶ Health, Safety, Security and the Environment (HSSE) Plan
- ▶ Management of Change (MOC) Plan
- ▶ Transition plans for the removal of FMs
- ▶ CAPEX sign-off process
- ▶ Global rollout for corporate fleet, joint ventures, technical service agreements (TSA)

### SAFETY is top priority!

FAUDI Aviation has long been committed to supporting the industry in its efforts to replace SAP-based filter monitors by July 2023. With less than 9 months to comply, the industry has adopted two EI-qualified solutions to replace filter monitors: Filter/water separators and a drop-in combination of Dirt Defence Filtration (DDF) with AFGUARD® EWS. Global acceptance by industry bodies, JIG and A4A, for DDF and AFGUARD® EWS followed the recommended process for meeting operational safety requirements, including successful qualification to EI specification and a 12-month global field trial. Filter water/separators with 2” diameter coalescer elements, qualified to EI 1581 6th edition, results in smaller, lighter vessels with dimensions that are similar to those of filter monitors and allowing for easier vessel retrofit. The transformation to a more sustainable, non-SAP based filtration technology will succeed if the entire industry continues to work closely together. FAUDI Aviation supports end users in deciding which technology is best suited for each location, within the scope of:

- ▶ Supporting in the assessment of the best fit technology
- ▶ Evaluation of the timeframe for conversion/retrofit solutions
- ▶ Providing equipment training
- ▶ Digitalisation including operational data via smart applications
- ▶ Support with global technology rollout

### Current status on JIG accepted Filtration/Sensor Technologies

- ▶ Filtration/sensor combination by application (JIG 1, issue 13):

JIG 1, issue 13	Filtration Technologies
Into-plane JET	Filter/Water Separators
	Dirt Defence Filters + AFGUARD®
Into-plane AVGAS	Filter/Water Separators
	Dirt Defence Filters
	Microfilters

- ▶ Filter/Water Separators (FWS):  
Filter/water separators qualified to specification EI 1581 6th edition including new nominal diameter for coalescer (2”) and separator (4”) elements intended for aviation fuel mobile applications (see JIG Bulletin No 102).
- ▶ Dirt Defence Filters (DDF) + AFGUARD® EWS:  
Drop-in combination of EI 1599 DDF with EI 1598 AFGUARD® electronic water sensor for mobile applications. DDF technology, both 2” and 6” models, in combination with EWS were adopted into global standards in August 2020 (see JIG Bulletin 130 & A4A Bulletin 2020.3), while EI 1598 electronic water sensors were introduced in 2018 as an alternative to CWD (see JIG Bulletin 110).
- ▶ Dirt Defence Filters for into-plane AVGAS:  
EI 1599 DDF elements are accepted for use in into-plane AVGAS. EI 1598 EWS is not required to be used in AVGAS.