



ESPN-R European Safety Activities and Global Collaboration

Michel Masson, EASA

Bernd Osswald, Airbus Helicopters

Joost Vreeken, NLR

ESPN-R Coordinators

Major Topics Addressed in 2023

Coordinated with VAST

Inadvertent IMC

4 EASA articles and videos with Mona Seeberger:



[UIMC - Before Take-Off | EASA Community \(europa.eu\)](https://www.easa.europa.eu/easa/communities/easa-community/rotorcraft-unintended-imc-avoidance-before-take-off)

https://youtu.be/oA_ULvejHCI



[UIMC - After Take Off | EASA Community \(europa.eu\)](https://www.easa.europa.eu/easa/communities/easa-community/rotorcraft-unintended-imc-avoidance-after-take-off)

<https://youtu.be/m8lOvlp02uY>

Inadvertent IMC

4 EASA articles and videos with Mona Seeberger:



[UIMC - Recovery In Flight | EASA Community \(europa.eu\)](https://youtu.be/6g1UyDrg6b4)
<https://youtu.be/6g1UyDrg6b4>



[UIMC - Night Operations | EASA Community \(europa.eu\)](https://youtu.be/TZxrhdMCYjo)
<https://youtu.be/TZxrhdMCYjo>

Unintended Yaw

EASA trailer with Mathieu Vandenaevne, video released in this Workshop



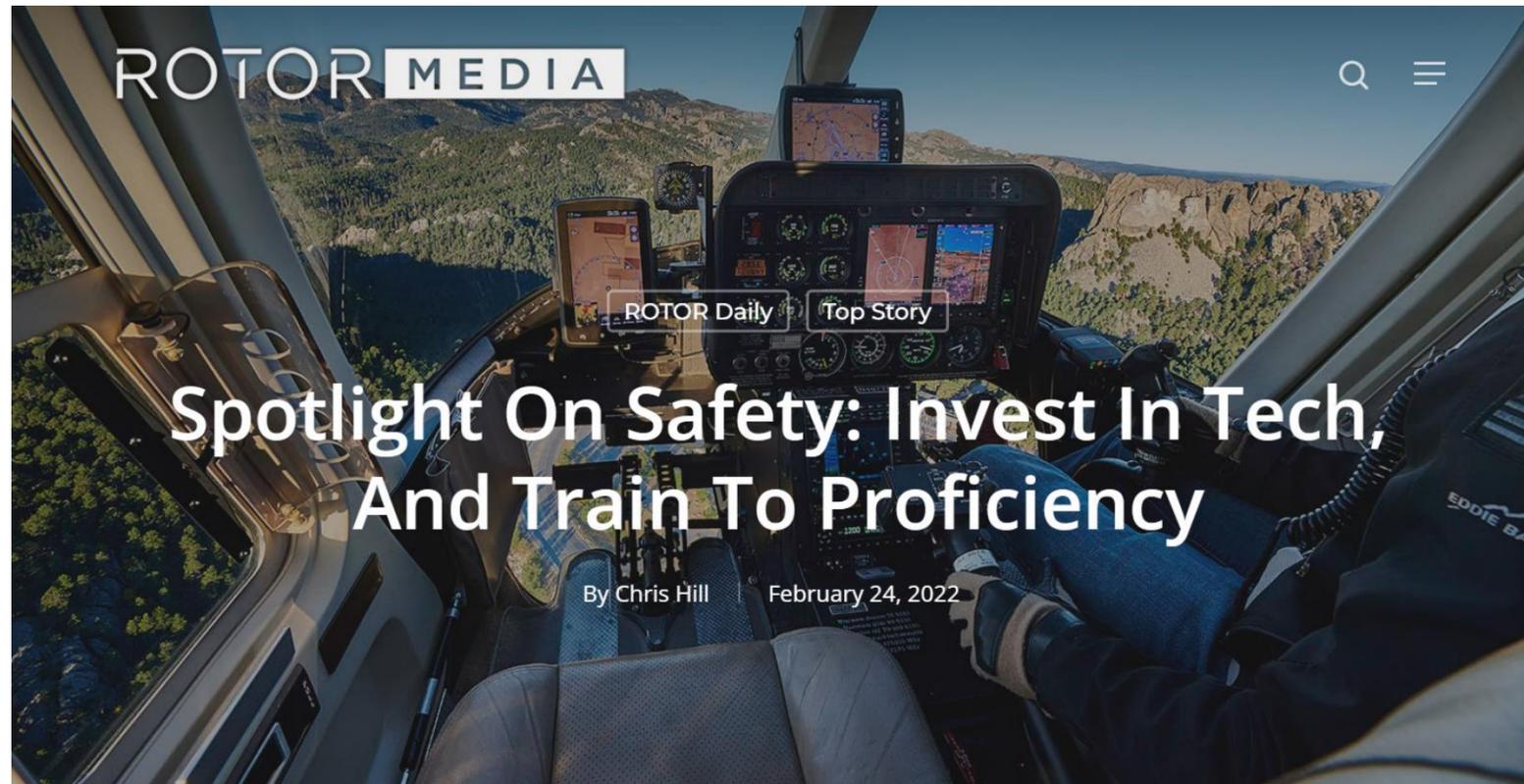
<https://youtu.be/H4pMDa1QAJ4>

Airbus video and coordination with other OEMs and FAA (in progress)

Also addressed by and coordinated with VAST Technology WG

Technology

Promote Technologies with safety benefits
with VAST Tech WG



NLR Project presented in the
EASA Rotorcraft & VTOL Symposium 2022

And in the Rotorcraft Safety Zone 2023



Off Airfield Landing Site operations

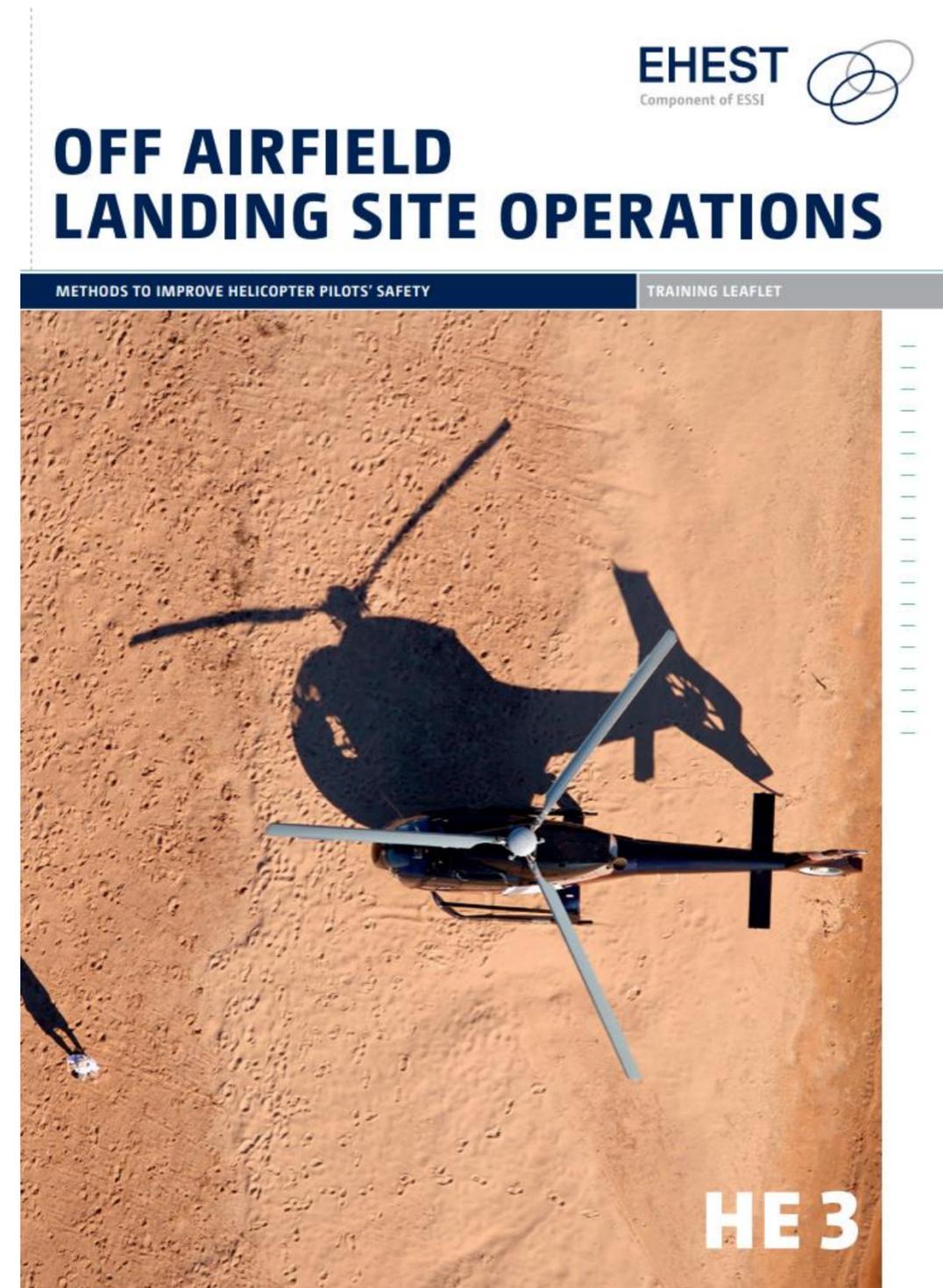
EASA videos with Mona Seeberger (work in progress)

Mountain Flying

ICAR 2022 videos promoted
eLearning by Airbus Helicopters about to be finalised
Material by Paolo dal Pozzo, AW139 pilot, Avincis

ESPN-R Management System (MS) Manual

By Stefano Burigana, Elifriulia, and the ESPN-R ST Ops & SMS
Presented in this Workshop



Publication type: [Safety Promotion](#)

Publication Date: 02/11/2021

Safety Promotion Publication Type: [Aircrew and Medical](#)Safety Promotion Product Type: [Commercial Air Transport](#)

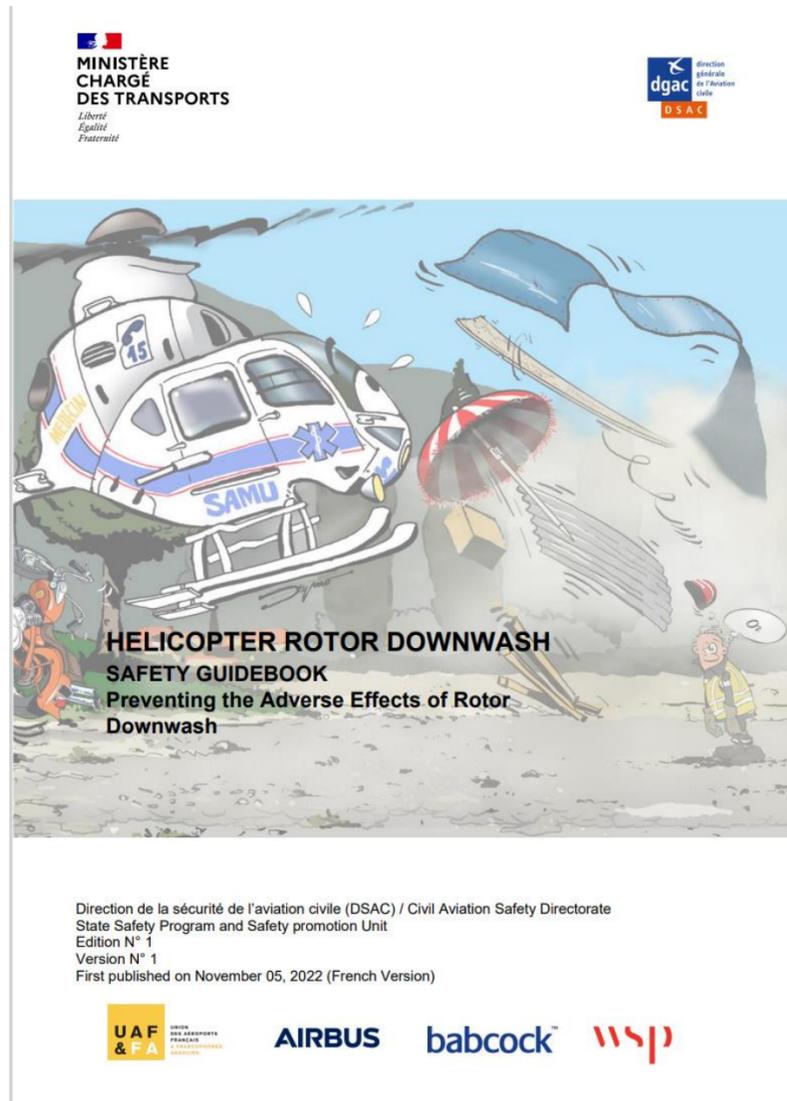
EASA's Flight Examiner Manual (FEM) provides a reference companion to the Examiner standardisation requirements and guidance as set out in the Aircrew Regulation ([Commission Regulation \(EU\) no 1178/2011](#)).

The manuals have been updated in October 2023 and there are now 16 documents for fixed wing covering the full range of licenses and rating. The new manual for fixed wing covers HPA- Complex Aircraft. This update also adds 8 manuals for Rotorcraft. The manuals help to explain the contents of the Aircrew Regulation and gives standardisation and best practice guidance to examiners for the conduct of tests.



[Flight Examiners' Manual \(FEM\) | EASA \(europa.eu\)](#)

DGAC / DSAC and Bruce Webb Material



[DGAC DSAC Helicopter Rotor Downwash](#)

[Safety Guidebook | EASA Community \(europa.eu\)](#)



[Bruce Webb's What can pilots do to avoid task saturation?](#)

[– YouTube](#)

[Bruce Webb - YouTube](#)



Seasonal topics

Bird Strike, Thunderstorms, DVE and UIMC, Winter Ops



VRS

Vuichard Recovery Safety Foundation (VRSF) new film in development

Using simulation training to target HF accidents

Claude Vuichard has launched a series of helicopter safety training courses on VR Motion simulators, aimed to reduce HF accidents by 50% on:

- Autorotation
- Dynamic Roll Over
- VRS
- UIMC avoidance and recovery
- Wire strike avoidance
- ...



[Vertical Mag article, June 2023](#)

[Safe Autorotation Seminar by Claude Vuichard – YouTube](#)

[Vuichard Advanced Helicopter Training \(vuichard-advanced-helicopter-training.ch\)](http://vuichard-advanced-helicopter-training.ch)

Promotion of Safety Research



[Vulnerability of Manned Aircraft to Drone Strikes - On-site event | EASA \(europa.eu\)](#)



[Research Project Final Webinar: Helicopter Off-Shore Operations – New Flotation Systems - Online | EASA \(europa.eu\)](#)

Promotion of European Decisions

[Council adopts decision on funding for firefighting planes and helicopters - Concilium \(europa.eu\)](#)

[Wildfires: EU doubles rescEU firefighting fleet for summer 2023 \(europa.eu\)](#)



Dr. Michel MASSON • You

Senior Safety Promotion Officer at EASA, ESPN-R Coordinator

★ Admin • 5d • Edited



Council adopts decision on funding for firefighting planes and helicopters

Council of the EU, Nov. 13, 2023

<https://lnkd.in/eqEqXjpG>

...see more



Riitta Honkanen-Vaheri and 11 others

3 comments

6th Dutch Helicopter Safety Day

Anticipating Future Safety Issues

- Key take away's:

- Ensure consensus is reached on safety promotion material
- Address cons considerations (e.g. wearing a helmet can be tiring)
- Human-machine interaction is key for safety technology

Objectives:

- Inform
- Think
- Network

Discussions on:

- ESPN-R (dissemination)
- (How) is technology helping me?
- Future sector developments
- Future safety issues



ESPN-R Specialist Teams and Task Forces



3rd HHO Symposium

6th to 7th September 2023

Operation Center, DRF Luftrettung, Rheinmünster

From 6th to 7th September 2023 DRF Luftrettung will bring together HHO professionals to discuss topics related to hoist rescue equipment, rescue tips and techniques as well as safety concerns. The symposium which has been taking place annually since 2021 aims at further increasing safety in helicopter hoist operation.

Take a look at the program! We are looking forward to welcoming you.

Hoist Operations

DRF Symposium, 6-7 Sep.

Work in progress:

- Pilot Guide
- PCDS Guide
- Hoist Simulation Training Means White Paper

Sling Load

Continuing material devel. & promo
Operational topics and good practices
Harmonising terminology



EUROPEAN ROTORS 2023

Rotorcraft Safety Zone

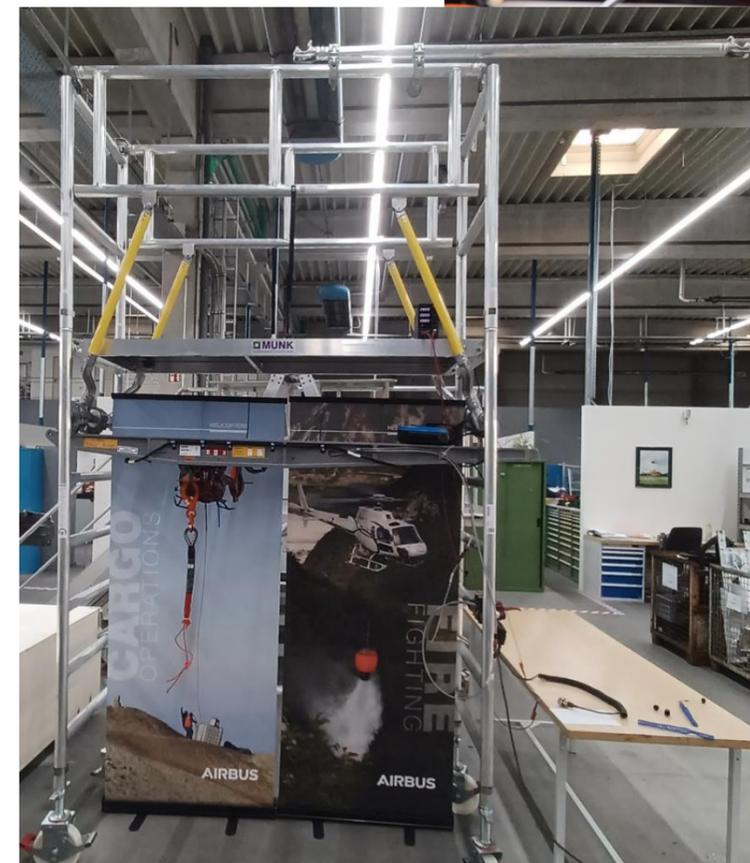
- Hoist Ops demo by Airbus and DRF: [Alexander Weissenboeck, Airbus](#) and [Sebastian Schneider, DRF](#)
- Anticipating Future Safety Issues: [Joost Vreeken](#) and [Marc Cruellas](#), NLR
- Understanding Overpitching & Power – a common issue with PPL's, and R66 Pre-flight: [Jonny Balearic, Helicopters](#)



EUROPEAN ROTORS 2023

Rotorcraft Safety Zone

- Mission Request Vade Mecum: [Stefano Burigana, Elifriulia.it](https://www.elifriulia.it)
- Sling Load Ops demo by Airbus and EASA: [Michael Behrens](#) and [Jakob Uske](#), [Airbus](#) and [Jonathan Hall](#), EASA



Candidate Subjects for 2024

- Transferring ESPN-R Hoist Safety Promotion Guides to the FAA region with support from industry, in cooperation with VAST WG Safety Promotion
- Organise and/or participate in key events of 2024:
DRF HHO Symposium, VAST Conferences, ICAR Congress, Workshops on Sling Load, Hoist pilot- / PCDS- / Hoist Simulation – Guides, CHC Summit, HAI HELI-EXPO, EUROPEAN ROTORS
- Unanticipated Yaw: best practice and pilot advice for all kinds of helicopters with MR and Tail Rotor / Shrouded Tail Rotor
- Winter Ops

Candidate Subjects for 2024

- Cable collision / wire strikes
- Loose items in cockpit area
- Twin Engine sensitive training area: OEI simulation and precautions
- Sling or external load accidents – Promote ESPN-R Sling Load Task Force material
- Poor pre-flight planning and preparation
- Lack of knowledge of aircraft systems and application of procedures

Candidate Subjects for 2024

- On board carriage of PEDs
- Poor operational management at take-off and landing sites
- Inadequate flight path management with the use of automation
- Management System, Safety Culture of organisation
- Inadequate airborne separation under VFR operation
- Helicopter rotor and transmission system failures
- Pilot fatigue

Candidate Subjects for 2024

- Vortex Ring State (VRS)
- Impaired visibility conditions except IMC
- Degraded visibility conditions
- Engine power loss condition
- Dynamic rollover
- GM1 FCL.740.H - Setting up a repository of practical example subjects for an Examiner safety awareness briefing in the revalidation of helicopter Type Ratings (ref. EASA Rotorcraft Safety Roadmap)

And Many More on LinkedIn!

European Safety Promotion Network - Rotorcraft (ESPN-R)

3,525 members
Including Rick Adams, FRAeS and 504 other connections

Invite connections

Show all →

Analytics
Last 15 days activity

1,510 Active members ▼11%

9 New members ▼10%

11 Posts ▼15%

34 Post views ▼11%

Show all →

Admins

- Andy Evans · 1st Owner
Director - Aerossurance: Aviation advisors helping organisations procure & assure aviation services globally
- Dr. Michel MASSON · You Manager
Senior Safety Promotion Officer at EASA, ESPN-R Coordinator
- Stefan Becker · 1st Manager
Head of Corporate Development at Swiss Air-Rescue (Rega)

Groups you might be interested in

- Arab Aviation · 18,364 members
- Air Traffic Control Network · 18,388 members

AAIB Formal Report: Sikorsky S-92A (G-MCGY), Fatal accident, 4 March 2022
gov.uk · 2 min read

4 likes

Comment

ESPN-R Hoist Operation Safety Promotion

1,136 members
Including Thomas Gassmann and 125 other connections

Invite connections

Show all →

Admin

- Alexander Weissenboeck · 1st Owner
Customer Support Manager (HEMS&Hoist) Europe - Supporting strategic European Airbus Helicopters HEMS and Hoist Operators

Start a post in this group

Media Poll

Recommended

Pinned by admin

Alexander Weissenboeck · 1st Admin · 2mo

During the 2023 DRF Hoist Symposium, Stefan Timmermans (Hessen) and Basti Schneider (DRF) presented the "Disruptive Hoist Pendant Workshop" to gather feedback on existing pendants and suggest improvements.

Feedback whitepaper hoist pendant

QR code

Groups you might be interested in

- Arab Aviation · 18,364 members
- Air Traffic Control Network · 18,388 members
- Leadership Think Tank · 852,881 members
- AIRCRAFT & ENGINE TRADERS PLATFORM · 24,955 members
- Aviation professionals and enthusiasts · 110,277 members

ESPN-R Sling Load Operations Safety Promotion

222 members
Including David Anderson and 44 other connections

Invite connections

Show all →

Admin

- Michael Behrens · 2nd Owner
Expert for Human & Non-Human External Cargo bei Airbus Helicopters Deutschland GmbH

Start a post in this group

Media

Recommended

Dr. Michel MASSON · You
Senior Safety Promotion Officer at EASA - ESPN-R Coordinator

VAST ESPN-R Safety Workshop at EUROPEAN ROTORS 2023 in Madrid
Wed. Nov. 29, 14:00-17:00, Room N110
<https://lnkd.in/eCNgQZsx>

Photograph of workshop attendees

VAST ESPN-R Safety Workshop
europeanrotors.eu · 1 min read

30 impressions

View analytics

Groups you might be interested in

- Arab Aviation · 18,364 members
- Air Traffic Control Network · 18,388 members
- Leadership Think Tank · 852,885 members
- Aviation Week MRO · 87,092 members
- Aviation professionals and enthusiasts · 110,277 members

EUROPEAN ROTORS 2023 – VAST and ESPN-R Safety Workshop, Nov. 29

Thanks for you attention!

Questions?

[European Safety Promotion Network Rotorcraft \(ESPN-R\) | EASA \(europa.eu\)](#)

Deliverables in: [Group Topics | EASA Community \(europa.eu\)](#)