



EASA

European Aviation Safety Agency

Crew Resource Management (CRM) in Practice **Workshop for NAAs** 28 -29 August 2017

Safety Promotion Network (SPN)

NAA and EASA role on mutual work in CRM

Safety Promotion

Michel Masson, EASA
Senior Safety Promotion Officer

Your safety is our mission.

An agency of the European Union



TE.GEN.00409-001



Safety Promotion: a growing priority



EASA Strategic Plan, 2017-2021



Safety Promotion: a growing priority

“Objective: Assessing rules and regulations to ensure that they are effective, proportionate and remain relevant.”

“Action: In consultation with stakeholders, EASA shall regularly review enacted rules and regulation to maintain, amend, remove or replace them with measures such as **safety promotion.**”

EASA Strategic Plan, 2017-2021




A new SP strategy (in development)


- Raise SP role and recognition as a pillar of Safety Management
- Raise EASA profile and recognition as a major SP actor








Safety promotion on the EASA website


 the agency

 newsroom & events

 **EASA & you**

 regulations

 document library

 can we help

home > **easa & you****Air Operations**

- Overview
- Commercial Air Transport operations (CAT)
- Information on Conflict Zones
- Non-commercial operations with complex motor-powered aircraft (NCC)
- Specialised Operations (SPO)
- Ramp Inspection Programmes (SAFA/SACA)
- Third Country Operators (TCO)

**Aerodromes**

- Relevant legislation for Aerodromes

**Aircraft & products**

- Airworthiness Directives
- Alternative Procedures to Design Organisation Approval (ADDA)
- Continuing Airworthiness Organisations
- Design Organisations
- ETSO authorisations
- International Maintenance Review Board Policy Board (IMRBPB)
- Manufacturer Scheduled Maintenance Requirements
- Permit to fly
- Production Organisations Approvals

**Air Traffic Management**

- ATM/ANS Organisations Approvals
- Relevant legislation for ATM/ANS

**International cooperation**

- EASA by Country
- International cooperation
- List of projects

**Aircrew & Medical**

- Aircrew
- Approved Training Organisations (ATO)
- European Central Question Bank (ECQB)
- Flight Simulation Training Devices (FSTD)
- Operational Suitability Data (OSD)
- Follow-up of Germanwings Flight 9525 accident

**General Aviation**

- General Aviation road map
- Licensing for General Aviation
- Operations In General Aviation

**Passengers**

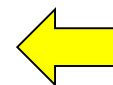
- Why is my flight safe?
- Personal Electronic Devices on board (PED)
- Dangerous Goods
- Travelling with children

**Civil drones (Unmanned Aircraft)**

- Civil drones (Unmanned Aircraft)





**Safety Management & Promotion**


- Accident and incident investigation support
- Occurrence reporting
- Research
- Safety Promotion
- Safety Management System (SMS)
- Safety Analysis
- Volcanic Ash
- Advisory bodies
- EASA Virtual Academy
- Technical Training offered by us








Safety promotion on the EASA website








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home > **easa & you** > safety management & promotion > **safety promotion**

Aerodromes

Aircraft & products

Aircrew & Medical

Air Operations

Air Traffic Management

Civil drones (Unmanned aircraft)

General Aviation

International cooperation

Safety Management & Promotion

Accident and Incident Investigation support

Legal and regulatory framework

Safety Recommendations

EASA Virtual Academy

Occurrence reporting

Report an occurrence

Legal framework

Protection of information sources


Research

Safety Analysis

Safety Promotion

European Authorities Coordination Group on Flight Data Monitoring (EAFDM)

European Operators Flight Data Monitoring (EOFDMM)



Safety Promotion

Safety Promotion is a key part of the European Aviation Safety Programme (EASP) and ICAO Annex 19. It's one of the three pillars of effective safety management, namely: rulemaking, oversight and safety promotion. The objectives for our safety promotion activities are to:

- contribute to meeting a high and uniform level of safety performance in the European Aviation system by effectively managing safety promotion activities in line with the overall safety programming
- make all European rules accessible and user friendly to relevant stakeholders by developing effective EASA technical publications.

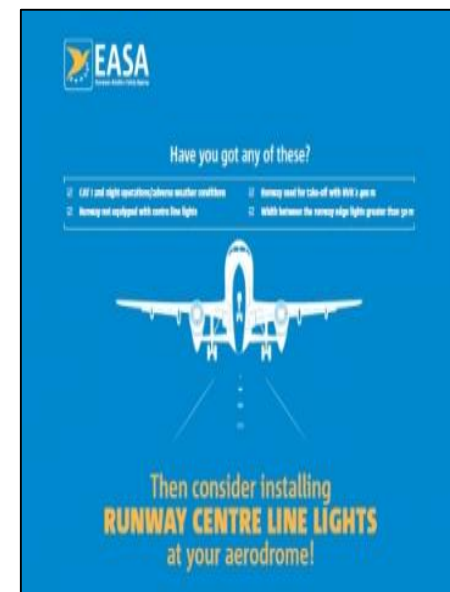
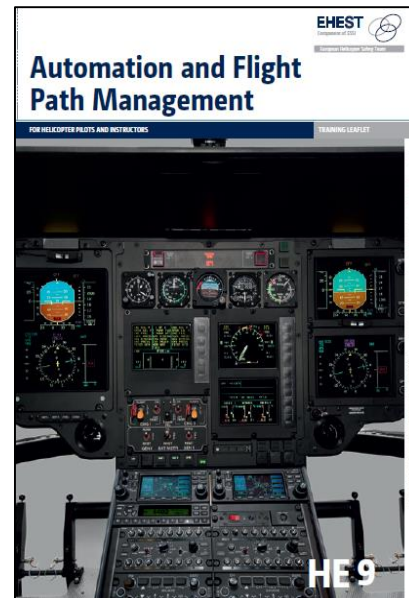
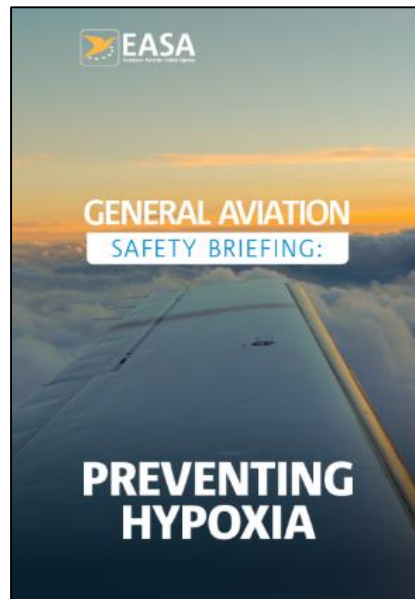
EASA Safety Promotion:

- **Airworthiness**
 - [Initial Airworthiness](#)
 - [Additional Airworthiness](#)
 - [Continuing Airworthiness](#)
- **Air Crew**
 - [EBT - Evidence-based training](#)
- **Air Operations**
 - [National Aviation Authorities](#)
 - [Cooperative Oversight](#)
 - [Civil drones \(Unmanned aircraft\)](#)
 - [Helicopter](#)
 - [Commercial Air Transport Operations](#)
 - [Dangerous Goods](#)
 - [Flight Data Monitoring](#)
 - [European Authorities Coordination Group on Flight Data Monitoring \(EAFDM\)](#)
 - [European Operators Flight Data Monitoring \(EOFDMM\)](#)
 - [EASA FDM Conference](#)
 - [General Aviation Leaflets \(Non-commercial operations\)](#)



What sorts of material and actions?







Posters



DGAC / DSAC, France and Asociación Española de Pilotos de Aeronaves Ligeras



Technical publications





Toolkits, manuals and guides





Safety letters and newsletters



(FLUG-) HÖHEN


Nr. 18, April 2015

HÖHENMESSER SIND AUF DIE STANDARDATMOSPHERE GEEICHT

Höhenmesser messen den aktuell herrschenden Luftdruck in der Höhe und zeigen diesen als Höhe bzw. Flughöhe an. Damit das möglich wird, ist der Höhenmesser mit seinen Druckboven und der Anzeigemechanik auf die international festgelegte Standardatmosphäre (Engl. International Standard Atmosphere, ISA) geeicht.


Höhe (ft)	Luftdruck (hPa)	Temperatur (°C)
12.000	664	-4
11.000	670	-7
10.000	687	-6
9.000	704	-3
8.000	752	-1
7.000	792	1
6.000	872	3
5.000	943	5
4.000	976	7
3.000	990	9
2.000	962	11
1.000	977	10
MSL	1.013	15

Nach der Standardatmosphäre herrscht im mittleren Meeresspiegelniveau (Engl. Mean Sea Level, MSL) ein Luftdruck von 1.013,25 hPa und eine Temperatur von 15 °C. Mit zunehmender Höhe geht man von einer bestimmten durchschnittlichen Abnahme des Luftdrucks und der Temperatur aus. Verringert sich der Luftdruck...



Fri 10/02/2017 12:37
ETSC Press <dudley.curtis@etsc.eu> on behalf of ETSC Press <dudley.curtis@etsc.eu>
EU transport ministers back 'ambitious' vehicle safety improvements

To: Masson Michel

 If there are problems with how this message is displayed, click here to view it in a web browser.
Click here to download pictures. To help protect your privacy, Outlook prevented automatic download of some pictures in this message.

Enterprise Vault

EU transport ministers back 'ambitious' vehicle safety improvements - Press Release

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Press release

EU transport ministers back 'ambitious' vehicle safety improvements

10 February 2017

Brussels - Eight EU transport ministers have called on the European Commission to 'speed up' plans to upgrade vehicle safety standards saying road safety should be 'top priority'.

2017

EASA CRM Workshop 28-29 August, Safety Promotion Network (SPN)

13



Mobile apps

AOPA GO Overview Video

AOPA
AIRCRAFT OWNERS AND PILOTS ASSOCIATION

AOPA GO
Available for:
iOS
Android







Mobile App Video Overview



Digital platforms, social media



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Workshops and roadshows

SKY WONDER

25 & 26 MARCH 2017

10:00 AM - 6:00 PM

NL FR **EN**

'THE FREEDOM OF FLYING'

Kortrijk **Xpo**

[WELCOME](#)[FAIR](#)[TICKETS](#)[PROGRAM](#)[PRESS](#)[PRACTICAL INFORMATION](#)[SKYTALKS](#)[DEMO ZONE](#)[FLIGHT SIMULATOR ZONE](#)

You are here: [Program](#) » [skytalks](#) » [DGLV/EASA: General Aviation Roadmap Update - Towards simpler, lighter, better regulations for GA](#)

SKYTALKS OP SKYWONDER



Date:

Saturday 25 March 2017

Time:

14:00 - 14:50

Location:

Skytalks

Organizing exhibitor:

DGLV

[Add to calendar](#)

DGLV/EASA: General Aviation Roadmap Update - Towards simpler, lighter, better regulations for GA

Discover the good progress of the GA roadmap activities and learn more about the changes which already have been implemented and those to come – e.g. regarding Part-M light, CS-STAN, Private Pilot Training outside ATO, Easier access to IFR flying, CS-23 or specific rules for balloons.

Boudewijn Deuss, EASA – European Aviation Safety Agency



Language presentation: English

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MUSTANG P51 OF
VINTAGE FLIGHTS**



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Safety Promotion Campaigns

Direction de la sécurité de l'Aviation civile

Mission évaluation et amélioration de la sécurité

Campagnes compétences techniques 2017

AVION / ULM

- 1 - L'intégration verticale standard
- 2 - L'interception et la stabilisation de la finale
- 3 - La remise des gaz



Ministère de l'Équipement, de l'Énergie et de la Mer


www.dir.scp.parc.aero/dgac.fr

dgac

CSAC

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There's a safety tool in every helicopter pilot's toolbox capable of breaking almost every accident chain. But too often, this tool remains tucked away, hidden in the dark recesses of the bottom corner of the toolbox. It's the Precautionary Landing. Land & LIVE. Is your flight not going well? Do you have a warning light? Are you or your passengers not feeling well? Is the weather turning? Are you low on fuel? As pilot in command, only you can decide if you should continue the flight. Or take advantage your helicopter's unique ability to land almost anywhere, and make a precautionary landing.

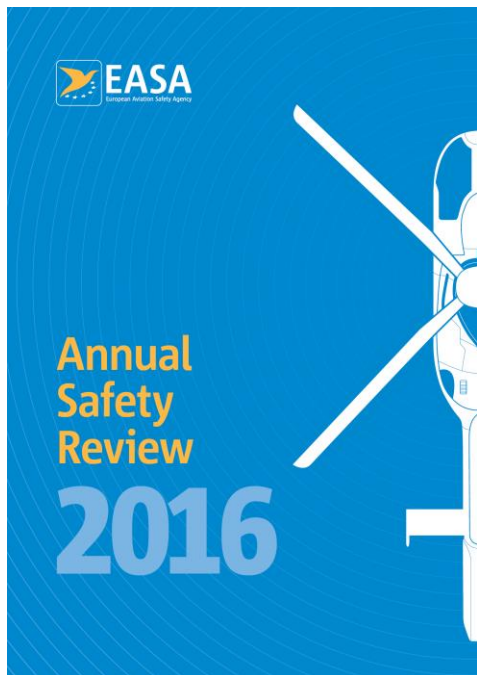


For Pilots	For Operators	First Responders
		
<p>Pilots, pledge to consider this tool when making safety-of-flight decisions en route. Get more information and take the pledge.</p>	<p>Operators, support your pilots who choose to land rather than put passengers in jeopardy.</p>	<p>First Responders, a helicopter has just landed at the high school ball field. Can they do that? Here's what you need to know.</p>
Learn More	Learn More	Learn More

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European aviation Safety Risk Management



What
Safety issues?



How to
address them?





4 instruments to address safety risks

- EPAS contains 4 types of tasks:
 - Rule Making (RMT)
 - **Safety Promotion (SPT)**
 - Member States (MST)
*mainly Oversight and Standardisation,
includes Safety Promotion*
 - Research (RES)





E.g. this CRM-related SPT.079



Rulemaking and safety promotion programme including EPAS 2017–2021

Safety

Safety Promotion

SPT.079

Crew resource management (CRM) training best practices

The EASA Safety Risk Management process has identified CRM as the second most important human factors issue in the domain of CAT Aeroplanes. New AMC/GM on CRM Training were adopted in 2015 and entered into force in October 2016. An in-depth assessment of the safety issue concluded that additional actions in the area of safety promotion were needed, which led EASA to organise a workshop on the subject. On 8 November 2016, 80 delegates representing operators, CAs, professional associations and training providers met to share experience and best practices on CRM practical implementation. The workshop was an excellent opportunity for the practitioners to discuss how this important safety net should work in practice. The purpose of this safety promotion task is to take stock of and disseminate the best practices discussed during the workshop.

Owner	Activity sector	Deliverable	Date
EASA FS.3	ALL, HF	Best practice	2017



Safety Promotion Network (SPN)

► Members: **20 States**

Engage

Member States

**to increase
outreach**





- Agreed by RAG in 2015
 - To foster **awareness and two-way communication** of safety-relevant information to support aviation safety at European and National level
 - To avoid duplication and to **exchange and share** Safety Promotion products
 - Emphasis on communication and **dissemination**
 - Supports **EPAS implementation**



A relatively new team

15
FEB
2017

to

16
FEB
2017

Safety Promotion Network (SPN)



LOCATION:



EASA Headquarters

Cologne

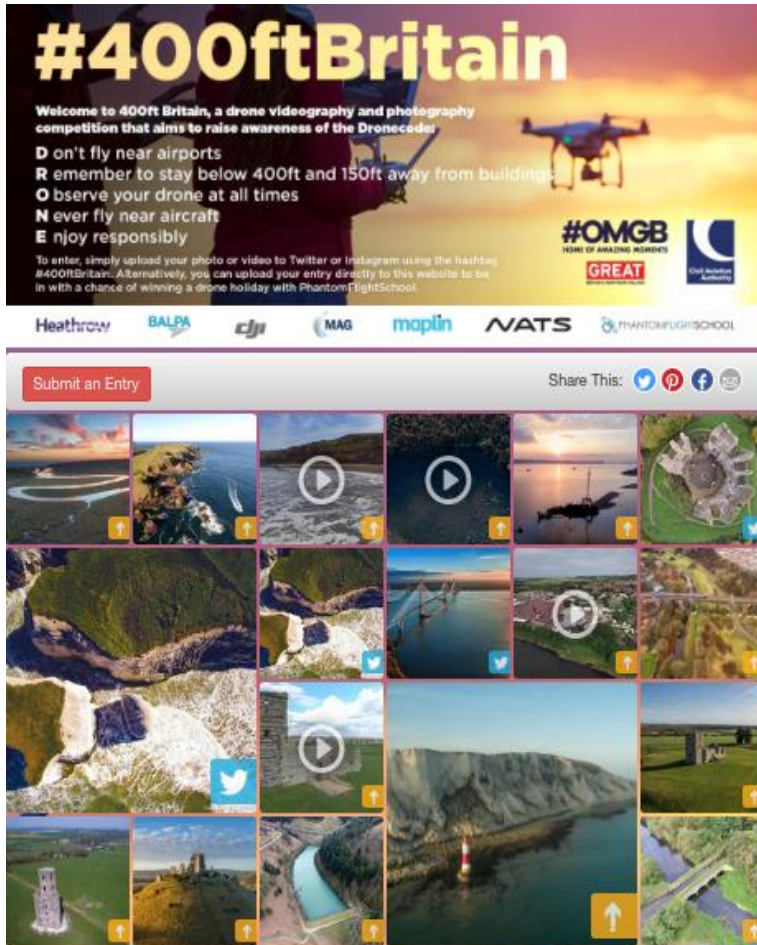
- SPN 1-16, 28 Apr
- SPN 2-16, 22 Sep
- SPN 1-17, 15-16 Feb

London

- SPN 2-17, 27-28 Sep



Main current SPN activities



- SPT.089 SP campaign on Airspace Infringement and MAC (2017-18)
- SPT.091 Sharing Drones (UAS) SP best practices (2018)



Take away: What the SPN can do for you

Contribute to:

- **Identification and sharing** of best practices regarding CRM training (crews, inspectors)
- **Dissemination**, including translation
- **Impact assessment and evaluation**
- **Campaigns**



EASA
European Aviation Safety Agency

Thank you

SafetyPromotion@easa.europa.eu

Your safety is our mission.

An agency of the European Union





SPN composition, Aug. 2017

1/2

Austro Control GmbH	Austria
Civil Aviation Authority	Belgium
Directorate General "Civil Aviation Administration"	Bulgaria
Civil Aviation Authority	Czech Republic
Danish Transport and Construction Agency	Denmark
Transport Safety Agency	Finland
Direction Generale de l'Aviation Civile	France
Luftfahrt Bundesamt (LBA)	Germany
Irish Aviation Authority (IAA)	Ireland
ENAC - Ente Nazionale per l'Aviazione Civile	Italy



SPN composition, Aug. 2017

2/2

Civil Aviation Agency	Montenegro
DGCA, Ministry of Infrastructure and the Environment	Netherlands
Civil Aviation Authority	Norway
Civil Aviation Authority of the Republic of Poland	Poland
Romanian Civil Aeronautical Authority	Romania
Civil Aviation Directorate	Serbia
AESA, Spanish Aviation Safety and Security Agency	Spain
Federal Office of Civil Aviation (FOCA)	Switzerland
Swedish Transport Agency	Sweden
Civil Aviation Authority	United Kingdom