



BEA

Bureau d'Enquêtes et d'Analyses
pour la sécurité de l'aviation civile

Psychiatric Disorders and Accident: Limits of Mental Assessment in General Aviation

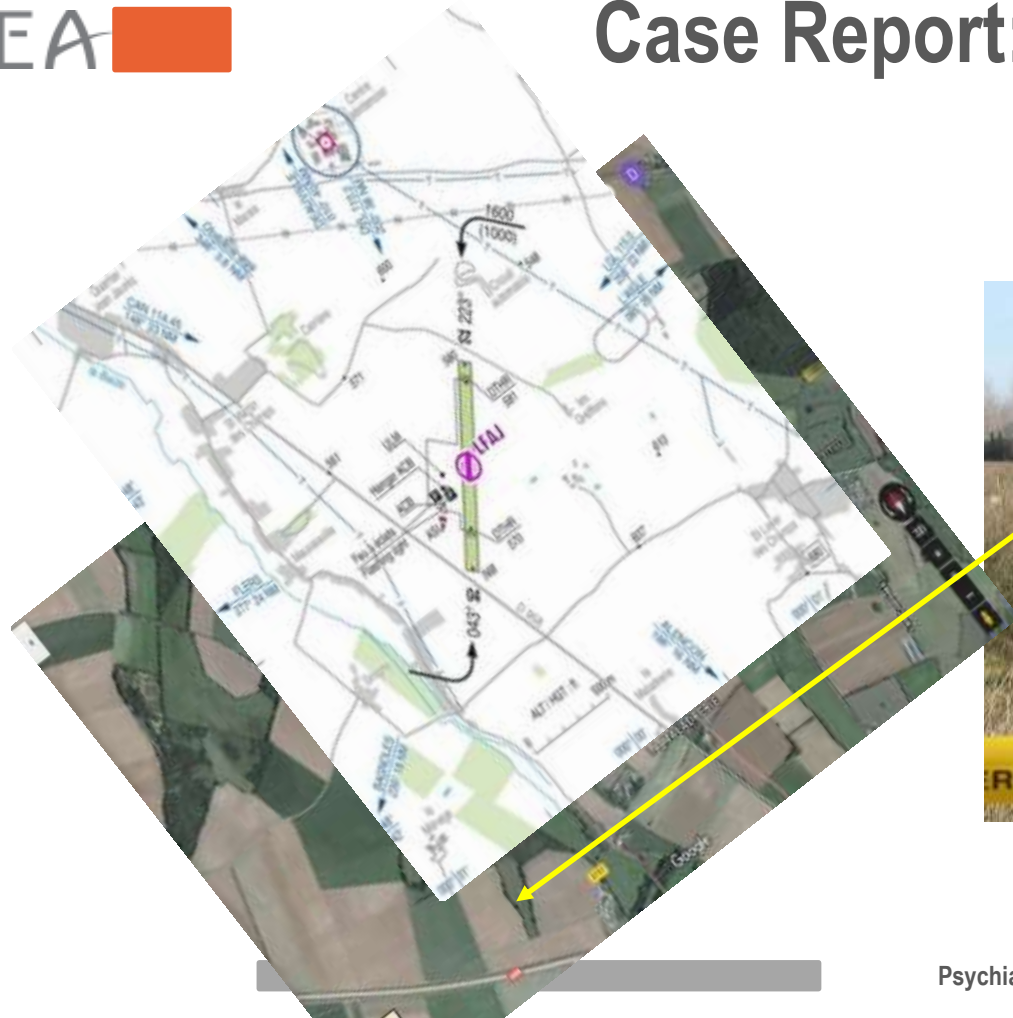
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Case Report: Trajectory



Case Report: Accident Site





Investigation Data

The Wife And Mother



Boy, 9y Girl, 11y Boy, 13y, BIA



40y, married, tutoring math



The Patient



- Prescription for drugs
- Psychiatrist
- No testimony (French Medical Board)

The Pilot



PPL(A) 1992

-valid 10/94 - renewal 2011 : valid 09/2015

175 hours of total flight time

-21 hours on DR400

-53 hours on CAP10 (aerobatics)

Class 2 medical certificate

-since 2011, valid until 09/2015

The instructor (aerobatics):

- Change of Behaviour
- Totally unusual



Extra-Investigation Data

The Only Cloud On The Horizon



Significant life/medical events:

- past-history: suicide attempt (Youth)
- complex character
- recent intention (aborted)

Children's comments

- "it was not joy at home"

Medical Assessment

Assumption Of Suicide

Psychiatry (Edwin Shneidman, « psychological autopsy », USA)

- MED.B.055 (d) Applicants with history of deliberate self-harm -> UNFIT
- MED.B.055 (a) Applicants ... no established ... psychiatric disease ... acute
BUT
Which is likely to interfere ... safe exercise ... privileges of applicable licence(s)

Sociology (Emile Durkheim, « Le Suicide », France)

- a social fact ... explained by other social facts (exemptionalism)
- religion, marriage, collective forces

▼MI

IX Nat. lang(s) Expiry date of this certificate		Class 1 single pilot commercial operators carrying passengers (dd/mm/yyyy)
		Class 1 (dd/mm/yyyy)
		Class 2 (dd/mm/yyyy)
		LAPL (dd/mm/yyyy)
Nat. lang(s): Examination date: (dd/mm/yyyy)		
<p>MED.A.020 Decrease in medical fitness</p> <p>(a) License holders shall not exercise the privileges of their license and related ratings or certificates at any time when they:</p> <ul style="list-style-type: none"> (1) are aware of any decrease in their medical fitness that might render them unable to safely exercise those privileges; (2) take or use any prescribed or non-prescribed medication that is likely to interfere with the safe exercise of the privileges of the applicable license; or (3) receive any medical, surgical or other treatment that is likely to interfere with flight safety. <p>(b) In addition, license holders shall, without undue delay, seek aero-medical advice when they:</p> <ul style="list-style-type: none"> (1) have undergone a surgical operation or invasive procedure; (2) have commenced the regular use of any medication; (3) have suffered any significant personal injury involving incapacity to function as a member of the flight crew; (4) have been suffering from any significant illness involving incapacity to function as a member of the flight crew; (5) are pregnant; (6) have been admitted to hospital or medical clinic; or (7) first require corrective lenses. 		
4		

Full cooperation or violation (shall/should)

MED.A.020 Decrease in medical fitness

- Ability to declare
- Dedicated to medical examiners,
 - pilots?
 - GMPs ?

Step Further (current)



County Council of the Medical Order

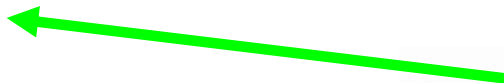
Medical information to GMPs

Act as information relay AME/GMP

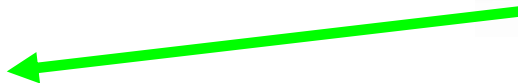
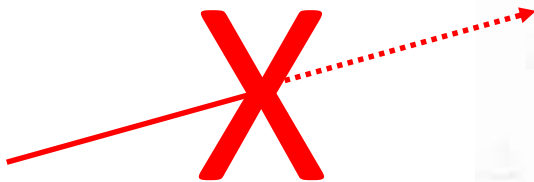
Focus on MED.A.020



CCMO



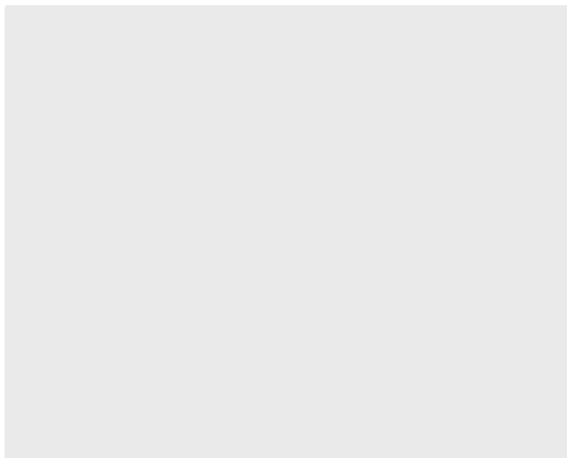
MED.A.020





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Thanks for your attention