



WHO'S THE AVIATION PSYCHOLOGIST?

*Dott.ssa Alessandra Rea
Aviation Psychologist
Founder and President of
IT-APA Italia-Association for Aviation Psychology*

ON THE AVIATION PSYCHOLOGIST:



Summary

- *Aviation Psychologist*
- *Competencies and area of intervention*
- *Role in Peer Support Programs*

AVIATION PSYCHOLOGY

Aviation Psychology is concerned with behaviour, actions, cognitive and emotional processes of humans in the environment of complex systems in aviation and space, including cross-cultural, inter- and intra-individual differences.

AVIATION PSYCHOLOGIST

- *Is a professional who applies knowledge and methods of psychological sciences to the world of aviation*
- *Contributes to maintain and improve high standard of **SAFETY***
 - Supporting professionals and organization to best enhance their performance*
 - Supporting mental health*

AREA OF INTERVENTION

- *Flight Operation*
- *Maintenance*
- *ATC*
- *Security*
- *Industry*
- *University and Research*
- *Regulator*



TARGET

- *Pilots, Flight Attendant, Specialist*
- *ATC, FISO, ATSEP*
- *Certified Staff, Maintenance Personnel*
Maintenance Engineer, Manager
- *Security Personnel*
- *Industry: Technical Operator, Engineers,*
Human Resource Manager

COMPETENCIES

- *Selection*
- *Assessment (clinical and non clinical)*
- *Training: CRM, TRM, HF*
- *Train the trainer: Instructor and Facilitator (classroom, SIM, distance)*
- *Training design, implementation and management*
- *Research, University*
- *Ergonomy*
- *HF Department Manager*

COMPETENCIES

- *Non Technical Skills design, assessment and development*
- *Coaching, mediation*
- *Fear of Flight Treatment*
- *Accident and Incident Investigation*
- *Peer Support Programmes*

ROLE IN PEER SUPPORT PROGRAMS

- *Design, implementation and management PSP*
- *Training*
- *Supervision*
- *Peer Support*
- *Evaluation of incompatibility (diagnosis and/or diagnostic hypotheses)*

TYPE OF INTERVENTION ON PEER SUPPORT

- *PREVENTIVE (first degree prevention)*
- *REACTIVE (second degree prevention)*

	PEER	AVIATION PSI	PSYCHOTHERAPIST
WHO	Specialized Pilot or ATC	Psychologist specialized in Aviation Psychology	Psychologist or doctor specialized in Psychotherapy
AIM	Prevent PTSD Reduce stress Facilitates support Give support information	Supervise programme Supervise peers Support and contain Counselling Evaluate compatibility	Change dysfunctional system towards a 'healthy psychological system' Symptoms intervention Establish new psychological balance
WHEN	Immediately after an event(hours, max days) As soon as the request arrives	Timing based on the type of event	Days, months or years after a significant or traumatic event
HOW LONG	Hours or some session	Hours or Days	Days, months, years
SETTING	Any appropriate place near the event	Room, office, protected place	Room/office Hospital room

WHY AVIATION PSYCHOLOGIST?

- *In-depth knowledge of the context in which one intervenes*
- *Shares with peer the aviation and operational knowledge*
- *Knows pilots and ATC profession and is aware how aviation stressors can affect their mental health and performance*
- *Make diagnostic evaluation related to the contest (es. 'false positive' issues)*

thank you!

www.it-apa.it

alessandra.rea@itapa.it

info@it-apa.it