

Curriculum Vitae

1. PERSONAL INFORMATION

Name: Octavian Paul BUGEAC

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I work in Romanian Air Traffic Services Administration (ROMATSA) as MET Expert and Head of the Training Centre of Aeronautical Meteorology. Licensed aviation meteorologist since 1990, I have quite a long experience as operational forecaster (10 years) and trainer (10 years).

3. EDUCATION AND TRAINING

Dates (from – to)	Name and type of organisation providing education and training	Principal subjects/ occupational skills covered	Title of qualification awarded
15.09.1983– 30.06.1988	University of Bucharest, Faculty of Physics		Diploma of Bachelor
10.08.1992– 21.08.1992	UKW Technik Electronic Germany	Training course for the PC/SAT Weather Satellite System - Use of satellite imagery PDUS, SDUS, MDD	Training Certificate
05.04.1993– 28.05.1993	Anglo-Continental School of English – Bournemouth UK	General english and technical english for meteorologists	Advanced level in english – level 9 of 10
05.04.1993– 15.06.1993	UK Civil Aviation Authority	Technical English for meteorology, modern meteorological techniques, operational meteorology	Training Certificate
12.06.1995– 22.06.1995	National Institute of Meteorology and Hydrology – Romania	Specialized aeronautical meteorology course	Graduation Certificate
09.09.1996– 18.10.1996	United Kingdom Meteorological Office College	Advanced Forecasting Course – high level theoretical background and forecasting techniques used in operational meteorology	Training Certificate
01.12.1997– 05.12.1997	United Kingdom Meteorological Office College	NWP Appreciation Course – appreciation and use of numerical weather products in operational meteorology	Training Certificate
01.12.1997– 05.12.1997	United Kingdom Meteorological Office College	Satellite imagery interpretation – use of Satellite imagery in operational meteorology	Training Certificate
01.06.1998– 12.06.1998	Kavouras Inc. Minneapolis USA	Radar Meteorology Training Course – use of Radar information in operational meteorology, nowcasting	Training Certificate

09.07.2001– 13.07.2001	UK MET Office and WMO	MET Office and WMO Aviation seminar - modern products and techniques used in operational meteorology	Participation Certificate
18.11.2003– 20.11.2003	TUV Thuringen – Technische Akademie Altenstein	ISO 9000 internal Auditor – methods and techniques used in ISO 9000 internal audit	Certificate of Internal Auditor
18.06.2003– 17.08.2003	Total School SRL (accredited by Romanian Ministry of Labor)	Human resources management, recruitment and policies	Graduation Certificate as Human Resources Inspector
13.10.2003– 24.10.2003	Institute of Air Navigation Services Luxembourg, European Organization for the Safety of Air Navigation	Classroom Instructional Techniques. Modern training techniques, basics of trainees psychology.	Training Certificate
25.10.2004– 05.11.2004	National Meteorological Administration – National School of Meteorology – Romania	Radar and Nowcasting Meteorology – modern techniques used in short range forecasting and operational meteorology	Graduation Diploma
21.02.2005– 22.02.2005	Deutsche Flugsicherung	Workshop in ESARR 4 Implementation - Safety in aviation, International overview, Methodology Organizational principles, Target level of safety	Participation Certificate
24.01.2005– 28.01.2005	Institute of Air Navigation Services Luxembourg, European Organization for the Safety of Air Navigation	Unit licensing assessment Training Course – assessment techniques used for licenssing of aeronautical personnel at unit level	Unit licensing assessor certificate
30.05.2005– 03.06.2005	National Meteorological Administration – National School of Meteorology – Romania	Satellite Meteorology Training Course – modern techniques for the use of satellite imagery in operational meteorology	Graduation Diploma
13.09.2005– 16.09. 2005	United Kingdom Meteorological Office College	Winter Forecasting Course – appreciation and use of numerical weather products in winter forecasting, challenges for the season	Training Certificate
20.03.2006– 24.03.2006	Institute of Air Navigation Services Luxembourg, European Organization for the Safety of Air Navigation	Introduction to EATMP System Safety Assessment Methodology and Functional Hazard Assessment	Training Certificate
25.09.2006– 06.10.2006	National Meteorological Administration – National School of Meteorology – Romania	Aeronautical Climatology, make and use of climatological tables and resumeses in aeronautical meteorology.	Graduation Diploma

26.11.2007– 30.11.2007	National Meteorological Administration – National School of Meteorology – Romania	Training course for South-East European NMHS's on Nowcasting Techniques.	Graduation Diploma
31.03.2008– 11.04.2008	United Kingdom Meteorological Office College	MET refresher course. Review of forecasting methods, presentation of latest modern forecasting techniques.	Training Certificate
09.06.2008– 13.06.2008	WMO Regional Training Centre Turkey	Meteorological Hazards in Aviation. Forecasting and effects on flight safety.	Training Certificate
14.09.2009– 17.09.2009	International Civil Aviation Organization	ICAO State Safety Programme (SSP) Training course. Implementation techniques and methods regarding implementation and development of Safety at state level	Completion certificate
05.10.2009– 09.10.2009	World Meteorological Organization	Training workshop on curriculum development in Aeronautical Meteorology	Training Certificate

4.5. TEACHING EXPERIENCE

Experience as trainer in ROMATSA's Training Centre of Aviation Meteorology (certified by the Romanian Civil Aviation Authority) for the following courses:

- ⇒ Instruments and observation methods in aviation meteorology
- ⇒ Aviation and general meteorology codes
- ⇒ Synoptic and dynamic meteorology with applications in aviation
- ⇒ Aeronautical climatology
- ⇒ Use of radar and satellite information in aviation meteorology, Nowcasting techniques
- ⇒ Aviation meteorology

4.6. PARTICIPATION TO INTERNATIONAL ACTIVITIES in the last 3 years

memberships to international groups

- EUMETCAL Pedagogical Assistance to Trainers – *chairperson*. Since 2009
- EUMETCAL Aviation Workgroup – *member*. Since 2009
- WMO Task Team Competency Assessment Toolkit – *core-member*. Since 2010
- EUMETCAL Planning Group for EUMETCAL Advanced course on Aviation – *core-member*. Since 2010
- COMET Advisory Team – *member*. Since 2010

Participation to international conferences and workshops

- International conference on aviation and satellite meteorology – 2008 St. Petersburg – Training and Licensing of Aeronautical Meteorologists in Romania

- Russian State Hydrometeorological University St. Petersburg 2009 – OnLine conference regarding the need of competencies in aeronautical meteorology
- WMO Curriculum Development Workshop 2009 – Alanya, Turkey – competence and assessment of aeronautical meteorologists in Romania
- EUMETCAL 2009 – Langen, Germany – joint presentation with Russian State Hydrometeorological University – 3-D view in aviation training
- COMET online 2010– OnLine conference regarding the competence structure in Romanian aeronautical meteorology
- WMO Regional training seminar for national trainers of RA VI 2010 – Sibiu, Romania – Assessment structures,
- WMO Regional training seminar for national trainers of RA VI 2010 – Sibiu, Romania – The new approach in competence
- EUMETSAT 2010 – Cordoba, Spain - joint presentation with Russian State Hydrometeorological University
- EUMETCAL 2010 – Geneva, Switzerland – workshop, Competence and assessment, challenges for meteorological community
- EUMETCAL 2010 – Geneva, Switzerland – presentation on the new EUMETCAL aviation meteorology course

5. REFERENCES

Excellent references available upon request