

PERSONAL INFORMATION

Name, Surname

Cristian UNGUREANU

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Nationality

Romanian

Date of birth

06 September 1977

WORK EXPERIENCE

Dates (from – to)

November 2019 – present

Name and address of employer

National Authority for Management and Regulation in Communications of Romania (Headquarters), 2 Delea Noua Street, Bucharest 3, Romania

Type of business or sector

Telecommunication Regulatory Authority

RF engineering

Occupation or position held

Expert - Aeronautical, Maritime, Satellite and Amateur Unit

Main activities and responsibilities

- Participation in the activities of coordinating the orbital positions assigned to Romania, as well as of elaborating and sending the assignment requests for orbital positions to BR ITU;
- Participation in inter-ministerial groups regarding the development of projects with an impact on satellite radiocommunication services managed within the office;
- Participation in authorization and regulation activities, internal and international coordination, including CEPT and ITU working groups, as well as monitoring and control, related to radiocommunication services managed within the office;

Dates (from – to)

November 2010 – November 2019

Name and address of employer

National Authority for Management and Regulation in Communications of Romania (Headquarters), 2 Delea Noua Street, Bucharest 3, Romania

Type of business or sector

Telecommunication Regulatory Authority

RF engineering

Middle management

Occupation or position held

Expert - Monitoring Coordination Unit

Main activities and responsibilities

- Managing a team of telecom engineers;
- Elaborating strategies for monitoring campaigns;
- Training new recruits on monitoring problems and standards;
- Budgeting the team;
- Elaborating technical procedures for different kinds of monitoring campaigns;
- Making quality measurements on GSM, CDMA, UMTS, LTE and CDMA based networks;
- Spectrum monitoring (GSM, CDMA, UMTS, LTE, FM and TV broadcasting, PMR/PAMR);
- Interference solving (GSM, CDMA, UMTS, LTE, FM and TV broadcasting, PMR/PAMR);
- Discovering unlicensed radio emissions;
- Finding solutions to eliminate EM interferences appeared in licensed telecommunication systems;
- Supervising the installation and integration of transportable and fix monitoring stations.

Dates (from – to)

June 2009 - November 2010

Name and address of employer

National Authority for Management and Regulation in Communications of Romania, Iași

Type of business or sector	Regional Branch, 34A Moara de Vânt Street, Iași, Romania Telecommunication Regulatory Authority RF engineering Middle management
Occupation or position held Main activities and responsibilities	<i>Head of Unit - Regional Control Unit</i> <ul style="list-style-type: none"> • Managing a team of telecom engineers; • Elaborating strategies for market surveillance, radio equipment inspection, enforcement campaigns; • Training new recruits on enforcement problems and standards; • Budgeting the team; • Elaborating technical procedures for different kinds of enforcement campaigns.
Dates (from – to) Name and address of employer	October 2005 - June 2009 National Regulatory Authority for Communications and Information Technology, Iași Regional Branch, 34A Moara de Vânt Street, Iași, Romania
Type of business or sector	Telecommunication Regulatory Authority RF engineering
Occupation or position held Main activities and responsibilities	<i>RF engineer - Authorization and Radiocommunications Bureau</i> <ul style="list-style-type: none"> • Frequency allocation for PMR and PAMR systems; • Licensing FM/TV stations; • Controlling PMR/PAMR networks; • Controlling cable TV networks; • Database operation and maintenance.
Dates (from – to) Name and address of employer	October 2003 - October 2005 General Inspectorate for Communications and Information Technology (Headquarters) 22 Italiana Street, Bucharest, Romania
Type of business or sector	Telecommunication Regulatory Authority RF engineering
Occupation or position held Main activities and responsibilities	<i>RF engineer - Spectrum Management Unit</i> <ul style="list-style-type: none"> • Making quality measurements on GSM, UMTS and CDMA based networks; • Spectrum monitoring (GSM, CDMA, UMTS, FM and TV broadcasting, PMR/PAMR); • Interference solving (GSM, CDMA, UMTS, FM and TV broadcasting, PMR/PAMR); • Discovering unlicensed radio emissions; • Finding solutions to eliminate EM interferences appeared in licensed telecommunication systems; • Supervising the installation and integration of transportable monitoring stations
Dates (from – to) Name and address of employer	July 2002 - October 2003 General Inspectorate for Communications and Information Technology, Iași Regional Branch, 34A Moara de Vânt Street, Iași, Romania
Type of business or sector	Telecommunication Regulatory Authority RF engineering
Occupation or position held Main activities and responsibilities	<i>RF engineer - Authorization and Radiocommunications Bureau</i> <ul style="list-style-type: none"> • Frequency allocation for PMR and PAMR systems; • Licensing FM/TV stations; • Controlling PMR/PAMR networks; • Controlling cable TV networks; • Database operation and maintenance.
EDUCATION AND TRAINING	
Dates (from – to) Name and type of organisation	30 January – 01 February 2017 Anite Finlad Ltd

providing education and training Principal subjects/occupational skills covered	Mobile networks introduction; Nemo Outdoor: Principles and Measurements Methos; Nemo Walker hardware introduction; Nemo Outdoor with Nemo Walker; Nemo Outdoor indoor option for Walker; Nemo servers introduction; Nemo Analyze introduction; Nemo Handy introduction
Title of qualification awarded	Certificate of Advanced Training
Dates (from – to)	17-20 October and 1-4 November 2016
Name and type of organisation providing education and training	Anite Finland Ltd.
Principal subjects/occupational skills covered	Mobile networks introduction; Nemo Outdoor: Principles and Measurements Methos; Nemo Walker hardware introduction; Nemo Outdoor with Nemo Walker; Nemo Outdoor indoor option for Walker; Nemo servers introduction; Nemo Analyze introduction; Nemo Handy introduction
Title of qualification awarded	Certificate of Training
Dates (from – to)	5-9 January 2015
Name and type of organisation providing education and training	Keysight Technologies
Principal subjects/occupational skills covered	Radio Spectrum Management with Keysight RF Sensor and Surveyor 4D, Geolocation, Vector Signal Analyzer, Audio Player Software
Title of qualification awarded	Certificate of Training Completion
Dates (from – to)	25-27 November 2014
Name and type of organisation providing education and training	Rohde&Schwarz
Principal subjects/occupational skills covered	Portable Receiver PR100 Training for Users
Title of qualification awarded	Certificate of Attendance
Dates (from – to)	2-6 June 2014
Name and type of organisation providing education and training	Felix Telecom – Alcatel-Lucent Academy Timisoara
Principal subjects/occupational skills covered	LTE – standards and protocols
Title of qualification awarded	Certificate of Achievements
Dates (from – to)	4-8 November 2013
Name and type of organisation providing education and training	Agilent Technologies
Principal subjects/occupational skills covered	Agilent Technologies Geo-location and Signal Survey training
Title of qualification awarded	Certificate of Achievement
Dates (from – to)	30 September – 04 October 2013
Name and type of organisation providing education and training	ICPE-CA Bucharest
Principal subjects/occupational skills covered	Electromagnetic compatibility
Title of qualification awarded	Certificate of Attendance
Dates (from – to)	2-6 June 2013

Name and type of organisation providing education and training	Rohde&Schwarz
Principal subjects/occupational skills covered	Argus – Training for Experienced Users
Title of qualification awarded	Certificate of Attendance
Dates (from – to)	2-6 June 2013
Name and type of organisation providing education and training	Rohde&Schwarz
Principal subjects/occupational skills covered	Argus Refresh training
Title of qualification awarded	Certificate of Attendance
Dates (from – to)	12-16 November 2012
Name and type of organisation providing education and training	CODECS Romania
Principal subjects/occupational skills covered	Internet Protocol TeleVision
Title of qualification awarded	Certificate of Achievement
Dates (from – to)	25-27 June 2012
Name and type of organisation providing education and training	Rohde&Schwarz
Principal subjects/occupational skills covered	Romes&NPA training
Title of qualification awarded	Certificate of Attendance
Dates (from – to)	6-8 June 2012
Name and type of organisation providing education and training	Rohde&Schwarz
Principal subjects/occupational skills covered	LTE&WiMax technologies training
Title of qualification awarded	Certificate of Attendance
Dates (from – to)	24-27 April 2012
Name and type of organisation providing education and training	Rohde&Schwarz
Principal subjects/occupational skills covered	Spectrum Monitoring Training
Title of qualification awarded	Certificate of Attendance
Dates (from – to)	17-20 January 2012
Name and type of organisation providing education and training	Rohde&Schwarz
Principal subjects/occupational skills covered	Monitoring Receivers – Advanced Level
Title of qualification awarded	Certificate of Attendance
Dates (from – to)	16 January 2012
Name and type of organisation providing education and training	Rohde&Schwarz
Principal subjects/occupational skills covered	Direction Finding Training – Advanced Level

skills covered	
Title of qualification awarded	Certificate of Attendance
Dates (from – to)	21-25 November 2011
Name and type of organisation providing education and training	Rohde&Schwarz
Principal subjects/occupational skills covered	Radiomonitoring and Direction Finding training
Title of qualification awarded	Certificate of Attendance
Dates (from – to)	28 November – 02 December 2011
Name and type of organisation providing education and training	Rohde&Schwarz
Principal subjects/occupational skills covered	Argus training
Title of qualification awarded	Certificate of Attendance
Dates (from – to)	9-11 March 2011
Name and type of organisation providing education and training	CODECS Romania
Principal subjects/occupational skills covered	Microsoft Project 2007 Course
Title of qualification awarded	Certificate of Achievement
Dates (from – to)	13-16 December 2010
Name and type of organisation providing education and training	Radiocom Romania
Principal subjects/occupational skills covered	Digital Television
Title of qualification awarded	Participation diploma
Dates (from – to)	22-27 November 2010
Name and type of organisation providing education and training	Rohde & Schwarz
Principal subjects/occupational skills covered	Argus Monitoring Software
Title of qualification awarded	Participation diploma
Dates (from – to)	1-5 November 2010
Name and type of organisation providing education and training	Rohde & Schwarz Deutsche Telekom Hungary
Principal subjects/occupational skills covered	Digital modulation Techniques Radio Network Planning and Optimization
Title of qualification awarded	Participation diploma
Dates (from – to)	May - November 2010
Name and type of organisation providing education and training	CODECS Romania
Principal subjects/occupational skills covered	Project management
Title of qualification awarded	Participation diploma

Dates (from – to)	October 2009
Name and type of organisation providing education and training	AVANTERA Romania
Principal subjects/occupational skills covered	development of leadership skills as a process manager, mentor for colleagues and team leader
Title of qualification awarded	Certificate of Attendance
Dates (from – to)	20-24 October 2008
Name and type of organisation providing education and training	Radiocom Romania
Principal subjects/occupational skills covered	TV and radio broadcasting measuring equipment
Title of qualification awarded	Participation diploma
Dates (from – to)	3-5 July 2007
Name and type of organisation providing education and training	International Telecommunication Union, Kyiv, Ukraine
Principal subjects/occupational skills covered	Economic aspects of national radio frequency spectrum management
Title of qualification awarded	Certificate of Attendance
Dates (from – to)	19-21 July 2006
Name and type of organisation providing education and training	International Telecommunication Union, Kyiv, Ukraine
Principal subjects/occupational skills covered	Trends in development of national spectrum monitoring systems
Title of qualification awarded	Certificate of Attendance
Dates (from – to)	04 December 2006 - 30 June 2007
Name and type of organisation providing education and training	Faculty of Electronics and Telecommunications, Technical University "Gheorghe Asachi" Iași, Romania
Principal subjects/occupational skills covered	Digital Radiocommunications PC Networks
Title of qualification awarded	Participation diploma
Dates (from – to)	October 1996 - June 2001
Name and type of organisation providing education and training	Faculty of Electronics and Telecommunications, Technical University "Gheorghe Asachi" Iași, Romania
Principal subjects/occupational skills covered	<ul style="list-style-type: none"> • Basic knowledge of radio/telecommunications systems • PC Networks • Programming • Operating Systems
Title of qualification awarded	Engineer
Dates (from – to)	September 1992 - June 1996
Name and type of organisation providing education and training	IT High School "Grigore Moisil", Iași, Romania
Principal subjects/occupational skills covered	Mathematics Physics Informatics
Title of qualification awarded	Baccalaureate Diploma

<p>PERSONAL SKILLS AND COMPETENCES</p>	
<p>MOTHER TONGUE</p>	<p>Romanian</p>
<p>OTHER LANGUAGES</p> <p>Reading skills</p> <p>Writing skills</p> <p>Verbal skills</p> <p>Reading skills</p> <p>Writing skills</p> <p>Verbal skills</p>	<p>English</p> <p>Proficient user B2</p> <p>Proficient user B2</p> <p>Proficient user B2</p> <p>French</p> <p>Basic user A1</p> <p>Basic user A1</p> <p>Basic user A1</p>
<p>SOCIAL SKILLS AND COMPETENCES</p>	<p>Very good interpersonal and communication skills, acquired as a participant in:</p> <ul style="list-style-type: none"> • national and international meetings (member of ECC WG SE (SE07 and SE40), ECC WG FM (FM44), ITU-R SG4); • various national spectrum monitoring and enforcement campaigns (together with colleagues from different Regional Divisions or network operators)
<p>ORGANISATIONAL SKILLS AND COMPETENCES</p>	<p>Very good and efficient leader, a skill developed as Head of Regional Control Unit: I had to recruit, "grow" and coordinate a team of radio engineers for solving various problems regarding the radio spectrum enforcement aspects and also various administrative tasks like contracts, maintenance contracts, budgeting, etc.</p>
<p>TECHNICAL SKILLS AND COMPETENCES</p>	<p>Excellent command of:</p> <ul style="list-style-type: none"> - Keysight ESA, VSA and PSA series spectrum analyzers, - Keysight N9912A, N9340B spectrum analyzers, - Rohde & Schwarz ESI 40 spectrum analyzer, - Rohde & Schwarz FSL6 spectrum analyzer, - Rohde & Schwarz ESMD spectrum monitoring receiver, - Rohde & Schwarz PR100 spectrum monitoring receiver, - Rohde & Schwarz SMR 40 signal generator, - Rohde & Schwarz SMA 100 signal generator, - Anritsu MT8220T and MS2724B spectrum analyzers, - Narda SRM-3006 spectrum analyzers, - Kathrein MSK 200/M4 75 spectrum analyzers, - Tadiran spectrum monitoring system, - Rohde&Schwarz spectrum monitoring system, - Anite Nemo (Keysight) benchmark system, - Rohde & Schwarz monitoring system for quality measurements on mobile communications networks (TSMU, TSMW, Qualcomm Test Phones, etc.), - various kinds of antennas, attenuators and filters, - various software for spectrum monitoring (Argus, Romes, Spectrum, Anite Nemo), - radio planning and spectrum management software – ATDI ICS Telecom. <p>All of these competences were acquired in a real radiocom environment.</p> <p>Very familiar with different kinds of standards, regulations, recommendations and reports issued by ITU, ECC, ETSI, ERO, CEPT, regarding various radio technologies, propagation, planning and spectrum monitoring.</p> <p>Level of knowledge for:</p> <ul style="list-style-type: none"> - Windows – advanced

- Microsoft Office – advanced
- ICS Telecom (radio planning tool) – advanced
- Mapinfo - advanced
- ROMES, ARGUS (Rohde & Schwarz software) – advanced
- PSPICE – intermediate
- VHDL, Matlab, C/C++ - intermediate

All these computer skills were acquired hands-on, in my daily work.

ARTISTIC SKILLS
AND COMPETENCES

I like listening to rock and classical music, of which I have a very large collection of albums.

OTHER SKILLS
AND COMPETENCES

Very well organized and well-mannered.
I can work independently as well in teams, under stress.
Problem-solving oriented.

DRIVING LICENCE(S)

B category since 1998

ADDITIONAL INFORMATION

- Available for extensive global travel.
- Experience in international representation activities, representing Romania in the following groups: ECC WG SE (SE07, SE40), ECC WG FM (FM44), ITU SG4.

- Contact persons for references:

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