

INSTITUTE OF ACOUSTICS PERSONAL PROFESSIONAL DEVELOPMENT			SHEET 1: PROFILE OF COMPETENCE & NEEDS		
Name: Professor D. E. Cibel			IOA Grade: MIOA	Date: July 2015	
Current Organisation: UK University			How long at IOA grade: 17 years		
Job Title / Role: Director of Acoustics in the Built Environment			How long at current role: 6 years		
Areas of Professional Activity	Current Job Competence Requirements/Capabilities	Anticipated Future Competencies	List of Development Goals	Goal Ref	Priority
Leading research for building acoustics and building standards	In depth knowledge of building acoustics and building standards	Knowledge of influence of low frequencies in on-site building acoustic methods	Improve knowledge and understanding of key changes likely to emerge in standards for low building acoustic frequencies	1	High
Management of research /business centres	Supporting and enabling technical compatibility between research centres, management of research teams, development of new projects	Supporting offsite construction sector to meet the challenges of technical compatibility for future housing systems	Engage with offsite companies regarding future specifications	2	Moderate
Interpersonal skills - Communication and liaison with private and public sector areas	Advising industry & government departments on new areas of building acoustics, research findings and international activities in this area	Knowledge of the influence of changes to energy standards and thus future building techniques in Europe	Understanding of current build techniques and changes to construction system materials and influence on sound transmission direct and flanking	3	High
Innovation and teaching - Design of new construction products and systems	Supporting innovation work streams by staff and companies, delivering CPD sessions, embedding research into teaching	How innovation in building acoustics enhances other building standards	Development of new teaching module in innovation for students	4	Moderate
Professional Conduct	Keeping up to date with knowledge of changes to different EU building acoustic standards, low carbon construction and BIM (UK)	Specific focus on new acoustics standards, 2020 carbon targets and BIM 2016/17 readiness	Understanding of circular economy for products and specifically re-use of waste products	5	High

INSTITUTE OF ACOUSTICS PERSONAL PROFESSIONAL DEVELOPMENT					SHEET 2: PROFESSIONAL DEVELOPMENT PLAN	
Name: Professor D. E. Cibel					IOA Grade: MIOA	Date: July 2015
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Goal Ref	Priority	Development Goals	How Will You Address These Needs?	By When?	Progress So Far?	What Follow-Up Is Needed
1	High	Improve knowledge and understanding of key changes likely to emerge for low building acoustic frequencies	Attend meetings about standards and correspond with members, attend IOA / other conferences, review current literature and research publications on low frequencies	End 04/15	Have attended IOA & other conferences, developed a database for future analysis of low frequencies to assist in future specifications	Write up research publication on key low frequency findings
2	Moderate	Engage with offsite companies regarding future specifications	Review current offsite construction systems in UK with focus on timber systems	End 2014	Have met with 12 different companies, supported formation of new offsite hub	Will work on specific research projects with three offsite companies
3	High	Understanding of current build techniques and changes to EU construction system materials and influence on sound transmission direct and flanking	Engagement with EU action group to develop key knowledge and book chapters on construction in different countries	End 2014	Co-author in two books published on EU construction and building acoustics	Keep up to date with changes in EU construction systems and different countries standards
4	Moderate	Development of new teaching module in innovation for students	Collate case studies and literature on novel acoustic products and how they altered performance	Ongoing	Collated majority of case studies and now writing up lectures	
5	High	Understanding of circular economy for products and specifically re-use of waste products	Review EU documents on possible resource efficiency directive, attend meetings with relevant organisations, attend seminars	Summer 2015	Reviewed documents, presented to staff, external industry/public sector on coming changes, attended seminars	Track future publication of EU Directive due in next two years

INSTITUTE OF ACOUSTICS PERSONAL PROFESSIONAL DEVELOPMENT				SHEET 3: PROFESSIONAL DEVELOPMENT RECORD		
Name: Professor D. E. Cibel				IOA Grade: MIOA	Period: 2012 to current	
Current Organisation: UK University				How long at IOA grade: 17 years		
Job Title / Role: Director of Acoustics in the Built Environment				How long at current role: 6 years		
Details of Activity		What did you learn? Relate to goals	Goal Ref	How will you use this knowledge?	Date	Time Allocation (hours)
Organiser	Activity					
Chartered Institute of Management	Evening seminar and discussion of sustainable construction and future directions	Increased awareness of health, well-being and sustainable construction	5	Useful in terms of increasing sound insulation specifications for all types of buildings and approaching large company clients for consultancy/research	Feb-12	3
Centre for Carbon Innovation	Seminars on development of brownfield land and environmental issues, construction, noise, materials	Changing scope of brownfield land, future specification issues for building acoustics	5	Engaged with several companies to inform them of changes and how it would influence their building acoustic products	Feb-12	4
EU Cost Action	Visiting laboratories in Switzerland - lightweight building test facilities and COST meetings	Design of CLT facilities and suppression of flanking sound and designing low carbon constructions, update on possible Acoustic Classification Scheme	1,3,4	Will be useful if new construction innovation test facilities are developed - Acoustic Classification Scheme may become a future ISO	May-12	6
Private study	Compared CfSH with other EU high level sound insulation targets	Sustainability target level of Code for Sustainable Homes are high but still less than Austria or Swedish performance targets	2	Useful for future analysis	Jun-12	3
EU Cost Action	Visiting, attendance at seminars and meetings with University of Bratislava and COST meetings	Seminars held on workmanship factors, acoustic design errors and influence on building acoustics - presentations from 12 countries	1,4	Very useful. Similarities between countries on acoustic influence of construction factors - will be utilised in future publications and useful for teaching to students	Sep-12	9

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Home Builders Federation (HBF)	Conference on "Performance Gap" and regulatory changes	Updated on difference between design performance and actual housebuilding on site performance (mainly energy issues) but also influences Part E performance in site	2,5	Useful in terms of specification robustness and improving future areas where energy and acoustics specifications clash	Oct-12	5
				<b>Total hours for 2012</b>		<b>30</b>
Visiting Hong Kong Sustainable Construction Conference	Attended HK conference on future sustainable construction covering building standards, low carbon construction, new materials	Helpful for identifying future sound insulation issues with such designs and acoustic products required, types of noise barriers, and future low carbon measures	1,2,4,5	Keeping up to date on HK policy and specifications and low carbon targets	Jan-13	15
European Acoustics Association (EAA)	Attendee and part co-ordinator of EU COST ACTION training school on building acoustics	Learning about building acoustic approaches in Belgium, Italy, France and Lithuania	1	Keeping up to date on diversity of building acoustic designs, workmanship and other factors	Jan-13	10
UK Structural Timber Association	Conference on "building for the future" discussing new construction for timber based buildings	Helpful for identifying future sound insulation issues with such designs and future acoustic products required	2	Have embedded this knowledge within teaching to MSc students classes and PhD student	Feb-13	5
Private study	Reading publications on research for low frequencies	updating knowledge on limit factors for room sizes	1	Will incorporate findings into future reports for Industry Body and other clients	Mar-13	15
2020 Climate Group	Conference on low carbon housing retrofit strategies	Discussions relating to apartments and houses retrofit approaches and acoustic/energy clashes on specifications	3,5	Used some of this knowledge for specifications of house types for acoustic and thermal	Apr-13	6

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Private study	EU draft outlines for future Resource Efficiency Directive	How building acoustic specifications may be affected by the directive in future	1,5	Will utilise when discussing with clients future innovative designs and use of building acoustic products to meet future deconstruction requirements of directive	Jul-13	8
EU COST Action	Final Report conference	EU Commission direction on health and noise & relationship with low frequencies	1	Will arrange meeting with EU Commission Head of Construction	Dec-13	5
				<b>Total hours for 2013</b>		<b>64</b>
2020 Climate Group	Attended sustainability leaders forum conference to discuss and see presentations in sustainable design or buildings and case studies in waste reduction	How specifications may change in future to meet zero waste targets and influence on acoustic products and systems	2,4,5	Will follow up with relevant organisations (NB: followed up and now engaging in designing new acoustic specifications towards zero waste targets)	Mar-14	5
EU Commission	Met with Head of Construction EU Office to discuss low frequencies and construction	Specific interest in workmanship and robust detail process was discussed and future directions of resource efficiency and technical compatibility across energy, acoustics and structural requirements	1,5	Track drafts of resource efficiency directive and influence on acoustic construction design, materials, process and performance factors	Aug-14	4
EAA	Attended Forum Akusticum conference and meetings Krakow	specific interest in low frequencies and use of CLT in construction	1	Brought back findings to colleagues and are now working with new CLT acoustic designs	Sep-14	9
IOA	Birmingham Conference - 40th IOA Celebration conference	Modelling and prediction factors with reverberation times, Noise policy factors and development	1	Interest in policy interventions and also low frequencies and reverberation times	Oct-14	6

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Private study	Reading publications on research for low frequencies	updating knowledge on limit factors for room sizes	1	useful for future acoustic classification scheme which will include low frequencies to 50Hz	Oct-14	8
IOA	Local branch conference	hosted and co-organised afternoon conference and evening dinner speakers	1	History of members and contributions to acoustics	Nov-14	4
				<b>Total hours for 2014</b>		<b>36</b>
NHBC	Attended Building for Tomorrow conference	Presentations on current performance gap analysis and changes to noise standards	2,3,4,5	Now aware of forthcoming changes to standards	Mar-15	5
Centre for Carbon Innovation	Attended 2 seminars on Low Carbon Challenge in construction	Useful to understand challenges companies are facing and hearing from government departments and bodies	2,5	Will build this knowledge into research and consultancy bids and supporting clients with acoustic specifications	Apr-15	5
Chartered Institute of Architectural Technologists (CIAT)	Attended meetings to plan for future 50th anniversary conference and role of acoustics in architectural technology	Useful to hear AT academics and experts discuss future forum needs and specification factors and BIM	3,4	Now involved in chairing a session for Design, Performance of Advanced Construction (planned for Dec 2015)	Apr-15	2
Seminar on retrofit systems for housing	Attended seminar	Seminar on carbon reduction measures through energy and acoustic specifications for retrofit	2,5	Useful for my future specifications and local authority building performance targets and sustainability	Jul-15	4
				<b>Total hours for 2015 to date</b>		<b>16</b>