

Minutes of Steering Committee Number 2 of ERASMUS+ FSAMP Project

561989-EPP-1-2015-1-UK-EPPKA2-CBHE-JP - ERASMUS+ CBHE

13th May 2016.

Held at the Moscow Institute of Power Engineering.

Preliminary agenda attached (Appendix A).

Attendance list attached (Appendix B).

Meeting was opened at 11.15 by Peter Barrington of Kingston University.

The following items were discussed:

1: A review of activities already completed in the project – opening meeting, study tour. Participants were satisfied with the content and results of activities, minor problems with accommodation and travel will be resolved before next events. **Responsible: D Campbell.**

2: Project learning outcomes and structure: The general conclusions concerning structure and content reached during the stakeholders' conference were developed and expanded on. The following conclusions were added to those reached in the stakeholders' meeting:

- i) In general, the aim of the programme is not just to help to train safer pilots or more competent engineers, but to train and educate specialists who have a comprehensive view of what affects and ensures air safety;
- ii) More work needs to be done to define requirements for entrants to the programme and on the likely future employment of graduates. It was decided that entrants should have, at least, relevant technical or aviation related bachelor degrees and be engaged in technical or managerial roles directly related to flight safety.
- iii) The programme should be universal, not linked to the specifics of a particular aircraft or industrial interest;
- iv) Given that each partner institution has different profiles and uses different education standards, to develop one universal programme will be difficult. Therefore, the programme will consist of one common block of module covering a systematic approach to aviation safety used by each institute and then the development of separate profiles – in flight safety, airworthiness, management of airports and operations – to be used by each institute as required.
- v) That a number of important issues exist that affect flight safety such as meteorology, fuel quality and fuelling, aerodynamics that while not part of the central common block can be offered as optional modules;
- vi) Although the common block should pay serious attention to laws and regulations in the sphere of aviation safety, it should be aimed at establishing a clear understanding of the quality management – flight safety management approach.

It was therefore agreed that the Common module should have the following structure:

- i) The common block “Introduction to aviation safety” should occupy one third of the first year of either an 18 month or two year programme. This allows a further one third of the first year for selective modules and one third for institute profiles. The final 6 or 12 months will be practical work or research.
- ii) For convenience the programme will use the Russian credit structure – one year is 60 credits, one credit 36 hours of student activity.
NB. During the meeting we said that one third of one year is 30 credits. This is wrong – one third is twenty. So the following credit proportion has been adjusted according.
- iii) The common block “Introduction to aviation safety” will be divided into the following modules:
 - Background in aerospace fundamentals (Введение в авиационную отрасль) 2 credits (зачетные единицы)
 - Legislation and regulation in aviation safety 3 credits
 - Management systems in the sphere of aviation 8 credits
 - The economics of air transport 3 credits
 - Airworthiness (Летная годность) 4 credits.
- iv) A list of additional modules such as meteorology, fuel safety will be compiled and a common structure developed.

The following actions were agreed:

a: Working groups will develop the curricula (в форме аннотации) for each of the above modules by the end of June 2016. The working groups are as follows:

- Background in aerospace fundamentals and Legislation and regulation in aviation safety – **Coordinator: Igor Milyukov (MPEI)**
- Management systems in the sphere of aviation - **Coordinator: Leonid Fedotov (UICA)**
- The economics of air transport - **Coordinator: Giuliano Coppotelli (UniRoma)**
- Airworthiness – **Coordinator: Yuri Kiselev (SU)**

b: An additional work group will analyse and define entry requirements and expected learning outcomes in line with graduate employment expectations with a report to be produced one month before the next steering committee – **Coordinator: David Campbell**

c: **Partners** will send volunteers to assist in the work of each work group to David Campbell by the end of May.

d: A discussion on the structure and content of the profiles will take place at next steering committee.

3: Partnership agreement: It was reported that Rome and Valencia are almost ready to complete the signing of their partnership agreements with Kingston. This should be done by the end of May 2016. **Responsible: Peter Barrington.**

It was reported that some of the Russian and Uzbekistan partners are ready to sign. Others need a translation of the remaining annexes. It was agreed that the remaining annexes would

be translated by 25th May and distributed and providing that no further questions arise, partners should sign the agreements by the end of May. **Responsible: David Campbell.**

4: Project website: Vladivostok are responsible for the site and it is hoped it will be established by end of May. **Responsible for coordination with Vladivostok: David Campbell**

5: Project timetable:

The following dates were agreed for the next steering committees:

- 27th October 2016 Tashkent
- 25th May 2017 Vladivostok
- 19th October 2017 Samara
- 24th May 2018 Ulyanovsk
- Final conference: date to be decided. Third quarter of 2018 in Moscow.

Staff exchanges: Staff exchanges begin towards the end of 2016, it was agreed to leave dates until the programme requirements and staff training analysis were nearer completion. **David Campbell responsible for coordinating.**

Student exchanges: These are planned for 1st half of 2018. It was agreed that partners would investigate suitable and convenient dates. **David Campbell responsible for coordinating.**

6: Next activities:

- i) Visits by David Campbell to discuss with project participants, present seminar of flight safety and conduct staff training gap analysis to Tashkent and Vladivostok are to take place before August. **Responsible: David Campbell.**
- ii) An analysis of equipment requirements is to be conducted. **Responsible: Leonid Fedotov**

7: Other business: Vladimir Sokolov raised the question of the importance of ensuring that exchange visits during the project were two way. It was agreed to investigate possibilities to do this with the Erasmus+ office. **Responsible: Peter Barrington and David Campbell**

8: Meeting closed: Peter Barrington closed the meeting at 1610 with thanks to the Moscow Power Engineering Institute for their work in organising the meeting.

Appendix A

Programme for steering committee

13th May 2016

Time	Item
09:30 – 10:00	Registration of participants
10:00 – 10:10	Opening words Dr Peter Barrington
10:10 – 10:30	Review of the work to date, opening meeting, study tour, comments of the Erasmus+ Monitor David Campbell
10:30 – 11:00	Discussion on proposed learning outcomes for the Masters' programme.
11:00-11.30	Coffee break.
11:30 – 13:00	Continuation of proposed learning outcomes and the programme structure. Agreement on agreed learning outcomes and programme structure. Establish working groups
13.00 – 14.00	Lunch
14.00 – 14.45	Tour of the Moscow Power Engineering Institute
14:45 – 15:30	Discussion and agreement on Partnership Agreement
15.30 – 16:00	Coffee break
16:00 – 16:30	Planning – dates and tasks
16:30 – 16:50	Other issues: Site, equipment, dissemination, other funding.
16:50 – 17:00	Summary of decisions and closing remarks. Peter Barrington

Appendix B

Appendix A

Список участников управляющего совета №2 международной конференции по научно-образовательному проекту Erasmus+ «Летная безопасность и надежность – магистерская программа»

13 мая 2016г., НИУ «МЭИ»

List of attendees at Steering committee No 2 for the Erasmus+ project “Flight safety and airworthiness – a masters programme”

13th May 2016

Moscow Power Engineering Institute

№	Ф.и.о.	Name	Организация	Organisation	Должность	Title
1.	Баррингтон, Питер Эрик	Peter BARRINGTON	Кингстонский университет, Великобритания	Kingston University, Great Britain	Руководитель Школы аэрокосмического и авиационного инжиниринга, профессор	Head of the School of Aerospace Engineering
2.	Вэгстафф, Пол Джералд	Paul WAGSTAFF	Кингстонский университет, Великобритания	Kingston University, Great Britain	Старший преподаватель и консультант Школы аэрокосмического и авиационного инжиниринга, профессор	Senior lecturer in the School of aerospace Engineering
3.	Кэмпбелл, Дэйвид Роберт	David CAMPBELL	Кингстонский университет, Великобритания	Kingston University, Great Britain	Менеджер проекта	Project manager, Kingston university
4.	Коппотелли, Джулиано	Giuliano COPPOTELLI	Римский университет «Ла Сапиенца», Италия	Sapienza University in Rome, Italy	Руководитель программы авиакосмических структур,	Head of Aerospace programmes
5.	Каррион Гарсия Андрес	Andres CARRION	Политехнический университет Валенсии, Испания	Polytechnic University in Valencia, Spain	Директор центра менеджмента качества и развития, профессор	Head of the Centre for Quality management and Change
6.	Гуличева Елена Геннадьевна	Elena Gulicheva	НИУ «МЭИ»	Moscow Power Engineering Institute	Зам. начальника Отдела международного сотрудничества	Deputy Head of Department of Intl relations
7.	Кулик Ирина Александровна	Irina KULIK	НИУ «МЭИ»	Moscow Power Engineering Institute	Координатор международных образовательных программ	Coordinator of international education programmes

8.	Соколов Владимир Петрович	Vladimir SOKOLOV	НИУ «МЭИ»	Moscow Power Engineering Institute	Зав. Каф. Инновационных технологий наукоемких отраслей (ИТНО), руководитель проекта	Head of the Department of Innovation technologies (ITNO), project head.
9.	Рогалев Андрей Николаевич	Andrey ROGALEV	НИУ «МЭИ»	Moscow Power Engineering Institute	Начальник Отдела трансфера технологий	Head of the Department for Technology transfer
10.	Соколова Юлия Владимировна	Yulia SOKOLOVA	НИУ «МЭИ»	Moscow Power Engineering Institute	каф. ИТНО	Department of ITNO
11.	Агамиров Левон Владимирович	Levon AGAMIROV	НИУ «МЭИ»	Moscow Power Engineering Institute	Профессор, каф. ИТНО	Professor ITNO
12.	Милюков Игорь Александрович	Igor MILUKOV	НИУ «МЭИ»	Moscow Power Engineering Institute	Доцент, каф. ИТНО	Senior lecturer ITNO
13.	Воробьев Вадим Вадимович	Vadim VOROBJEV	Московский государственный технический университет гражданской авиации (МГТУГА)	Moscow State Technical University of Civil Aviation	Проректор МГТУГА по научной работе, заведующий кафедрой «Безопасность полетов»	Head of Research and Department of Flight Safety
14.	Ефремов Александр Викторович	Alexander EFREMOV	Московский авиационный институт (национальный исследовательский университет) (МАИ)	Moscow Aviation Institute	Декан факультета «Авиационная техника»,	Dean of Department of Aviation Technology
15.	Страдомский Олег Юрьевич	Oleg STRADOMSKIY	Московский авиационный институт (национальный исследовательский университет) (МАИ)	Moscow Aviation Institute	Заведующий кафедрой «Сертификация авиационной техники»	Head of Department of Aircraft certification
16.	Молоканов Александр Александрович	Alexander MOLOKANOV	НИУ «МЭИ»	Moscow Power Engineering Institute	Магистр ФП-07м-11	Masters student

17	Шаранина Ксения Вячеславовна	Kseniya SHARANINA	НИУ «МЭИ»	Moscow Power Engineering Institute	Магистр ФП-07м-11	Masters student
18	Лобанова Наталья Ильинична	Natalia LOBANOVA	Дальневосточный федеральный университет	Far Eastern Federal University	Руководитель Проектного офиса школы экономики и менеджмента	Head of project office, School of economics and management
19	Кузнецова Юлия Геннадьевна	Yulia KUZNETSOVA	Дальневосточный федеральный университет	Far Eastern Federal University	Руководитель Проектного офиса Инженерной школы	Head of project office, engineering school
20	Оленев Алексей Анатольевич	Aleksey OLENEV	Ульяновское высшее авиационное училище гражданской авиации	Ulyanovsk Higher Civil Aviation School	Проректор	Pro-Rector for development
21	Киселев Юрий Витальевич	Iurii KISELEV	Самарский государственный аэрокосмический университет	Samara State Aerospace University	Старший преподаватель	Senior lecturer
22	Холматжанов Бахтияр Махаматжанови ч	Baxtiyar XOLMATJAROV	Национальный университет Узбекистана, г.Ташкент	National university of Uzbekistan	Старший преподаватель	Senior lecturer
23	Нигмаджанова Анзират Талиповна	Anzirat NIGMADJANOVA	Национальный университет Узбекистана, г.Ташкент	National university of Uzbekistan	Специалист Международного отдела	Specialist in International Department
24	Паньшина Екатерина Львовна	Ekaterina Panshina			Переводчик	Interpreter

