

**FLIGHT CREW LICENSING AND TRAINING PANEL (FCLTP)**

**REPORT OF THE SECOND MEETING**

**Montreal, 31 January to 11 February 2005**

**GENERAL**

The attached constitutes the general part of the report and should be inserted at the appropriate place in the yellow report folder.

**REPORT OF THE SECOND MEETING OF THE  
FLIGHT CREW LICENSING AND TRAINING PANEL (FCLTP) (2005)**

**LETTER OF TRANSMITTAL**

To: President, Air Navigation Commission

From: Chairman, Flight Crew Licensing and Training Panel  
(FCLTP) (2005)

I have the honour to submit the report of the second meeting of the Flight Crew Licensing and Training Panel which was held in Montreal from 31 January to 11 February 2005. The meeting ended on 10 February 2005 instead of 11 February 2005 as scheduled.

Richard Macfarlane  
Chairman

Montreal, 11 February 2005

## FOREWORD

On 17 June 2004 (ANC 166-14) the Air Navigation Commission agreed to convene the second meeting of the Flight Crew Licensing and Training Panel (FCLTP/2) in Montreal from 31 January to 11 February, with the following terms of reference and work programme.

“To undertake specific studies, as approved by the Air Navigation Commission and reflected in the work programme of the panel, with a view to advising the ANC on technically practical and operationally feasible ICAO provisions, as necessary, to meet the objectives specified in the work programme.”

### *Work programme*

ANC Task No.	Work Programme Item	Estimated Completion Date
PEL-9902	1) Review the flight crew licensing and training Standards of Annex 1 and the flight crew training Standards of Annex 6, Part I, paragraph 9.3, and Part III, Section II, paragraph 7.3, in order to ensure their continued relevance in meeting current and anticipated needs while preserving and improving upon existing flight safety levels.	2004
"	2) Review the structure of licences and ratings to ensure that they provide an efficient path toward the future activities of the applicant: <ul style="list-style-type: none"> <li>a) determine the core competences required by the professional pilot;</li> <li>b) determine the competency required for single-pilot and multi-crew operations; and</li> <li>c) determine the optimum point at which to commence multi-crew training.</li> </ul>	2004
"	3) Determine whether competency based flight crew Standards could complement and/or replace existing Standards based upon knowledge, skill and experience.	2004

ANC Task No.	Work Programme Item	Estimated Completion Date
PEL-9902	4) Assess the use of synthetic devices in acquiring or maintaining the competences required for the various levels of licences and ratings, taking into account the type of device being used, and determine the credit to be given for the use of such devices.	2003
"	5) Determine whether it would be appropriate to develop international licensing and training specifications in Annex 1 and Annex 6, Part I and Part III, Section II, and/or guidance material on: <ul style="list-style-type: none"> <li>a) limiting the number of aircraft types and/or variants that can be flown by flight crew;</li> <li>b) criteria to describe the level of a commonality between various types of aircraft that might justify the implementation of cross crew qualification (CCQ); and</li> <li>c) cross crew qualification (CCQ) and mixed fleet flying (MFF) operations, taking into account requirements for the training and qualification of flight crew members and the crediting of recency of experience and competency checks across different types and/variants of aircraft.</li> </ul>	2004
"	6) Develop the guidance material required to support the new Standards.	2004
"	7) Develop material for a <i>Procedures for Air Navigation Services—Training</i> (PANS-TRG) Document.	2004
MED-7701	Review the Standard in Annex 1, paragraph 2.1.10 concerning the curtailment of privileges of pilots who have attained their 60th Birthday .	2004

Note: The initial work programme of the panel also included an item on the approval of a training organization that was removed by the ANC once the task was completed.

## TABLE OF CONTENTS

	<b>Page</b>
<b>HISTORY OF THE MEETING</b>	
1. Duration .....	iii-1
2. Attendance .....	iii-1
3. Officers and Secretariat .....	iii-1
4. Agenda of the meeting .....	iii-1
5. Working arrangements .....	iii-3
6. Opening remarks by the President of the Air Navigation Commission .....	iii-3
<b>GLOSSARY OF TERMS</b> .....	<b>iv-1</b>
<b>REPORT OF THE MEETING</b>	
Agenda Item 1: i) Develop recommendations for amending current flight crew licensing requirements of Annex 1 and training requirements of Annex 6, Part I and Part III, Section II, to include:	
a) definitions;	
b) aircraft category and class ratings and the use of multiple aircraft type ratings;	
c) pilot licences; and	
d) instrument and instructor ratings.	
ii) Develop supporting guidance material .....	1-1
Agenda Item 2: i) Finalize recommendations for amendment of Annex 1 regarding:	
a) flight engineer and flight navigator licences;	
b) recency of experience and maintenance of competency;	
c) foreign licence validation and conversion; and	
d) crediting of hours to a higher licence.	
ii) Develop supporting guidance material .....	2-1

	<b>Page</b>
Agenda Item 3: i)	Develop recommendations for SARPs in Annex 1 for a multi-crew pilot licence (MPL), to include:
a)	competency-based licensing and training requirements;
b)	the optimum use of instructional devices (including synthetic training devices); and
c)	bridging requirements between the proposed multi-crew pilot licence (MPL) and the CPL and ATPL.
ii)	Review material for a <i>Procedures for Air Navigation Services – Training</i> (PANS-TRG) document.
iii)	Develop supporting guidance material . . . . . 3-1
Agenda Item 4:	Review the operational aspects of the Standard in Annex 1, paragraph 2.1.10 concerning the curtailment of privileges of pilots who have attained their 60th birthday . . . . . 4-1
Agenda Item 5:	Future work required by ICAO in the area of flight crew licensing . . . 5-1

## LIST OF RECOMMENDATIONS\*

1/1	Future review of the licensing requirements for the powered-lift category	1-9
RSPP 1/2	Amendment to Annex 6 – Operation of Aircraft, Part I – International Commercial Air Transport – Aeroplane	1-9
RSPP 1/3	Amendment to Annex 6 – Operation of Aircraft, Part III – International Operations – Helicopter, Section Two – International Commercial Air Transport	1-9
1/4	Guidance material on cross-crew qualification and the cross crediting of experience between different types and/or variants of aircraft	1-10
2/1	Guidance material on risk assessment methodology for maintenance of competency and recent experience requirements	2-4
RSPP 3/1	Amendment to Annex 1 – Personnel Licensing	3-5
RSPP 3/2	Procedures for Air Navigation Services – Training	3-7
3/3	Development of guidance material	3-8
5/1	Future work required by ICAO in the area of flight crew licensing	5-3
5/2	Proof of concept for the multi-crew pilot licence	5-3

\* Recommendations annotated “RSPP” relate to proposals for amendment of Standards, Recommended Practices, Procedures for Air Navigation Services or guidance material in an Annex.

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**FLIGHT CREW LICENSING AND TRAINING PANEL (FCLTP)**
**REPORT OF THE SECOND MEETING**
**Montreal, 31 January to 11 February 2005**
**HISTORY OF THE MEETING**
**1. DURATION**

1.1 The second meeting of the Flight Crew Licensing And Training Panel (FCLTP/2) was opened by Mr. Rodney W. Graff, President of the Air Navigation Commission in Montreal at 1100 hours on 31 January 2005. The meeting ended on 10 February 2005 instead of 11 February 2005 as scheduled.

**2. ATTENDANCE**

2.1 The meeting was attended by members and observers nominated by eighteen Contracting States and six international organizations, as well as by advisers and others as shown in the list below:

<b>Member</b>	<b>Advisers</b>	<b>Nominated by</b>
R. Macfarlane	N. Hyland J. Pryde	Australia
L. J. Nascimento	A.L. Monteiro V.F. Nunes	Brazil
J. Dow	L. Cundy B. Oaster	Canada
A. Vidal		Chile
H. Yang	Y. Luo	China
M. Essawy		Egypt
I. Petroff	M. Beyris J. Delattre	France
O. Krueger	E. Buehle U. Dehning H. Fabisch D. Harms	Germany

<b>Member</b>	<b>Advisers</b>	<b>Nominated by</b>
Y. Aihara	T. Hoshika H. Ihara T. Kumada K. Yabuki	Japan
L. Neve		Mexico
M. Burgers	G. Bammert H. Göttgens	Netherlands
V. Ashikhmin	V. Korovkin B. Potievski	Russian Federation
F. Lui	J. Lim	Singapore
P. Volland	L. Cele	South Africa
G. Forbes		United Kingdom
E. White	W. Barbini J. Brown M. Chapman L. Gant E. Hinch C. Hogeman R. Hopkins C. Howell J. Lynch M. Potter W. Smith	United States
F. Hofmann		IAOPA
H. Defalque		IATA
J. Evans		IBAC
U. Harter	D. McKenney	IFALPA

#### **Observers**

M. Stevens	FAI
F. Woods	JAA
J. McKinlay	New Zealand
S. Yoo	Republic of Korea

2.2 Also in attendance, on an ad hoc basis, were the following members of the Air Navigation Commission: Mr. A. De la Vega (Chile, Observer); Mr. L. Vonlanthen (Ireland); Mr. T. Nakada (Japan); Mr. M. Fernando (Singapore, Observer); and Mr. C. Aygun (Turkey, Observer).

### 3. OFFICERS AND SECRETARIAT

3.1 Mr. Richard Macfarlane (Australia) was elected Chairman of the meeting and Mr. Jim Dow (Canada) as Vice-Chairman.

3.2 The Secretary of the meeting was Mr. Roger Lambo, Technical Officer of the Personnel Licensing and Training Section, who was assisted by Ms. N. Barrette-Sabourin, Training Officer from the same section. Mr. Paul Lamy, Chief, Personnel Licensing and Training Section, Mr. Kevin Moore, Mr. Duncan Monaco and Ms. Nagwa El Aasar, Technical Officers, Operations/Airworthiness Section and Mr. Benoit Verhaegen, Legal Bureau, provided advice to the meeting as required.

3.3 Interpretation and translation were provided in English, French, Russian and Spanish.

### 4. AGENDA OF THE MEETING

4.1 The agenda for the meeting shown hereunder was approved by the Air Navigation Commission on 17 June 2004.

- Agenda Item 1: i) Develop recommendations for amending current flight crew licensing requirements of Annex 1 and training requirements of Annex 6, Part I and Part III, Section II, to include:
- a) definitions;
  - b) aircraft category and class ratings and the use of multiple aircraft type ratings;
  - c) pilot licences; and
  - d) instrument and instructor ratings.
- ii) Develop supporting guidance material
- Agenda Item 2: i) Finalize recommendations for amendment of Annex 1 regarding:
- a) flight engineer and flight navigator licences;
  - b) recency of experience and maintenance of competency;
  - c) foreign licence validation and conversion; and
  - d) crediting of hours to a higher licence.
- ii) Develop supporting guidance material

- Agenda Item 3: i) Develop recommendations for SARPs in Annex 1 for a multi-crew pilot licence (MPL), to include:
- a) competency-based licensing and training requirements;
  - b) the optimum use of instructional devices (including synthetic training devices; and
  - c) bridging requirements between the proposed multi-crew pilot licence (MPL) and the CPL and ATPL.
- ii) Review material for a *Procedures for Air Navigation Services – Training* (PANS-TRG) document.
- iii) Develop supporting guidance material
- Agenda Item 4: Review the operational aspects of the Standard in Annex 1, paragraph 2.1.10 concerning the curtailment of privileges of pilots who have attained their 60th birthday
- Agenda Item 5: Future work required by ICAO in the area of flight crew licensing

## 5. WORKING ARRANGEMENTS

5.1 The panel met as a single body, with ad hoc drafting groups as required. Discussions in the main meeting were conducted in English, French, Russian and Spanish. Some working papers were presented in English only. The report was issued in English, French, Russian and Spanish.

## 6. OPENING REMARKS BY THE PRESIDENT OF THE AIR NAVIGATION COMMISSION

6.1 It is my pleasure to welcome most of you back to Montreal for the second formal meeting of the Flight Crew Licensing and Training Panel (FCLTP). I also have the pleasure of welcoming those of you who are either participating in the panel for the first time replacing former panel members, or returning to the panel after having been absent due to your other duties and responsibilities. In this respect, I should like to extend a warm welcome to Luis E. Neve Brito (Mexico), Alvaro H. Vidal (Chile), Lui Fook Chuen (Singapore), Linda Cele (South Africa) and Mohamed Salah Essawy (Egypt) as new members and to the returning member, Richard Macfarlane (Australia).

I am aware that, since the establishment of the panel in October 2001, you have worked hard to complete the mandate given to you by the Air Navigation Commission, namely to review the flight crew licensing and training provisions in both Annex 1 and Annex 6. Since October 2002, you held one working group of the whole meeting, ten specialist working group (and sub-group) meetings and (counting this current meeting) two formal panel meetings. In addition, and in between meetings, I am aware that the panel's work has been continued through consultations held by other means, such as e-mail correspondence. You should be congratulated for having maintained such an active programme, which has already resulted in a number of successes.

One such notable achievement was the development of new Annex 1 provisions and supporting guidance material on the approval of training organizations. I am happy to inform you that the amendment to Annex 1 in relation to the approval of training organizations was reviewed by the Commission

and has just been forwarded to the Council with a recommendation for adoption. If adopted, the new provisions will become applicable on 24 November 2005.

I should also point out that the Commission also welcomed the panel's input that resulted from the work of one of its working groups, on a review of the operational aspects of the Annex 1 requirement for the curtailment of privileges of pilots who have attained their 60th birthday. Amendments to the current Annex 1 provisions, which were arrived at partly on the basis of the operational perspective provided by the panel, has been made available to States and international organizations for consultation. The Commission expects to review the matter again later in the year, along with the results of the consultation.

At the end of this meeting, the Commission expects to see the completion of the tasks set for the panel by its work programme. This will include the most thorough review of the existing flight crew licensing and training provisions conducted in close to twenty years, and a proposal to introduce into Annex 1 a completely new professional pilot licence, the first since the inclusion of the ATPL – Helicopter in 1962. It is expected that this review will result in proposals for several amendments to the Annex provisions on, for example, the validation of foreign licences and the crediting of hours towards a higher licence, a new structure for the pilot licences in the Annex and the establishment of an airship category and the multi-crew pilot licence (MPL). In addition, and as a further result of the panel's work, we may look forward, for the first time, to the publication of *Procedures for Air Navigation Services – Training* (PANS-TRG).

The multi-crew pilot licence, in particular, brings Annex 1 up-to-date in the sense that it is designed to take full advantage of well-proven training methodologies and technologies, particularly in respect to the application of instructional systems development and competency-based training, and to the optimum use of recent advances in flight simulation technology. The Commission is aware that, although these training methodologies and technologies are already being used by industry in relation to training, the amendment represents a significant change to Annex 1. We are, however, confident that, notwithstanding the large amount of discussion on certain aspects of the MPL, the proposal will come to us with a wide consensus. The Commission looks forward very much to being briefed on this exciting proposal in detail.

The proposal for the publication of *Procedures for Air Navigation Services – Training* (PANS-TRG) is an equally innovative step. ICAO has so far published three PANS documents, i.e PANS-ATM (Air Traffic Management), PANS-OPS (Aircraft Operations) and PANS-ABC (ICAO Abbreviations and Codes), which was the last PANS to be established, and was first published in 1964. The PANS-TRG document is envisaged as being a suitably intermediate document, in-between the Annex and guidance material, in which to locate training requirements that expand on the requirements already contained in Annex 1. Although I understand that much of the proposed PANS-TRG is currently dedicated to the MPL, the intention is to include, at later stages, procedures that are applicable to the other pilot licences, and possibly to the training and licensing of other aviation personnel as well. As in the case of the MPL, the Commission looks forward to being briefed on all these other aspects of the panel's work towards the end of this meeting.

Before concluding my remarks, I should take this opportunity to remind you of how your work will be progressed by ICAO, upon completion of your meeting. In this respect, the Commission will, next month, conduct an initial review of the panel's report and the recommendations it contains. The proposals for amendments to Annexes 1 and 6 will then be sent to States and international organizations for comments. They will then, along with the comments from States, be subject to a final review by the Commission in October this year. If all goes well with this process, the proposed amendments will go to the Council for adoption in early 2006, and will have an applicability date in November of that year. In this respect, I have to add that the Commission appreciated the recommendation made by the panel at the first

meeting to hold the second meeting as early as possible in 2005, so as not to delay the applicability of the amendment.

Finally, and mainly for the benefit of the new members of the panel, I should remind you that, according to Doc 7984 — *Directives for Panels of the Air Navigation Commission*, you all serve on this panel in your own individual capacity as experts and not as representatives of the States or Organizations that you serve. Both the Secretary of the panel and the hardworking staff of the Secretariat will assist you in your deliberations. In addition, I remain available for consultation at any time during the meeting, should the panel need my advice.

As already mentioned, a debriefing session will be held with the Commission towards the end of the meeting in which your chairperson will highlight the work accomplished, problems encountered and future work required by ICAO in the area of flight crew licensing. You are invited to attend the debriefing session and provide suggestions on ways and means of improving the efficiency of your panel in particular, and panels in general.

I wish you success in your endeavours and would like to assure you that both my fellow Commissioners and myself shall be following the progress of your meeting very closely. I now declare open the second meeting of the Flight Crew Licensing and Training Panel.

**GLOSSARY OF TERMS****A**

ATPL                      airline transport pilot licence

**C**

CCQ                      cross-crew qualification

CPL                      commercial pilot licence

**F**

FSTD                     flight simulation training device

**I**

IR                        instrument rating

**M**

MFF                     mixed-fleet flying

MPL                     multi-crew pilot licence

**P**

PF                        pilot flying

PICUS                  pilot-in-command under supervision

PNF                     pilot not flying

PPL                     private pilot licence

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