



Round Table "Potential of OSS in ATM"
Jointly organized by CALIBRE
and Eurocontrol

7th December 2005
Eurocontrol,
Bretigny-Sur-Orge,
France





Introduction: Open Source Software as a viable alternative for Air Traffic Control

In the middle of 2005, the Innovative Research department of the Eurocontrol Experimental Centre asked for the support of the CALIBRE project to organise a round table on the subject: "Potential of OSS in Air Traffic Management (ATM)". Eurocontrol's objective is to increase awareness and to gather facts and arguments concerning four broad hypotheses about the possible implications of the OSS paradigm for the ATM (in particular for Air Traffic Control).

In order to reach this objective, the round table has been organised so as to foster cross-fertilization between two domains of expertise: the OSS expertise and the ATM expertise. The program has been arranged to alternate presentations about ATM initiatives and presentations from the CALIBRE group concerning OSS. The Eurocontrol initiatives are pioneer actions towards the introduction of OSS in ATM projects. The OSS presentations consider ATM as a possible case study for the introduction of OSS in the Secondary Software Sector.

Program

INTRODUCTION

9:00

Opening

- Agenda and participants, by Marc Bourgois
- Presentation of CALIBRE, by Andrea Deverell
- Presentation of Eurocontrol, by Jean-Luc Hardy

9:30

Introduction to ATM (Air Traffic Management)

- Hypotheses about OSS in ATM, by Marc Bourgois, Eurocontrol
- Discussion

9:50

Introduction to OSS (Open Source Software)

- Migration to OSS, by Joseph Feller, University College Cork
- Discussion

10:30

Coffee Break

PART 2: ATM projects

11:00

ATM: hypothesis = Public Service

- Experience Report on www.OpenATC.org and AudioLan, by Gilles Gawinowski, Eurocontrol

11:30

ATM: hypothesis = Harmonization

- White Box approach for a Trajectory Prediction Tool, by Sipke Swierstra and Carlos Garcia Avello, Eurocontrol
- Discussion

12:00

ATM: hypothesis = Business Model

- Revisiting HIPS as an Open Source Project, by Jean-Dominique Frayssinoux, ATM consultant
- Discussion

12:30

OSS feedback

- Adacore Business Model and ATM, by Franco Gasperoni, Adacore, Inc.
- Discussion

13:00

Lunch

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PART 3: IPR legal issues

14:00

ATM: hypothesis = Public Service

- OSS and IPR Evolution in Eurocontrol,
by Burkhard von Erlach, Eurocontrol

14:20

OSS feedback

- Permissive vs. Restrictive OSS Licences,
by Delphine Prieur, INRIA
- Working with OSS Licences in Philips
by Arnoud Engelfriet, Philips
- Discussion

15:30

Coffee Break

PART 4: Quality and safety

16:00

ATM: hypothesis = Quality, Safety

- TCAS being Open Source before the term was coined,
by Garfield Dean, Eurocontrol

16:30

OSS feedback

- Quality Improvement and Release Management,
by Martin Michlmayr, University of Cambridge
- Discussion

PART 5: Conclusions

17:00

- OSS in Secondary Software Sector, Voice of Industry,
by John O'Flaherty, CALIBRE
- Discussion
- Summary for the INO-workshop,
by Marc Bourgois, Eurocontrol

17:30

Close



Details and registration: www.oss-in-atm.info / open.workshop2005@eurocontrol.int
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