

ATM Software Safety Assessment Course

ES2 WS3-2011 Bled/Slovenia - 21/22 September 2011

Software Safety Assurance & Degraded Modes of Operations

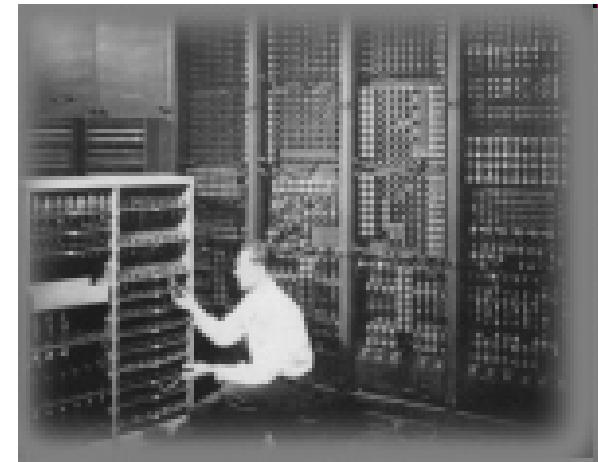


Content

- History
- Profile of the participants
- WWW WCWI
- Software Safety Community in Training Zone
- My conclusions

A bit of history

- Created in 2007
- NATS
- Target population
 - Safety practitioners
 - Software practitioners
- Eye opener, no cut and paste solution
- The answer is:



It depends!

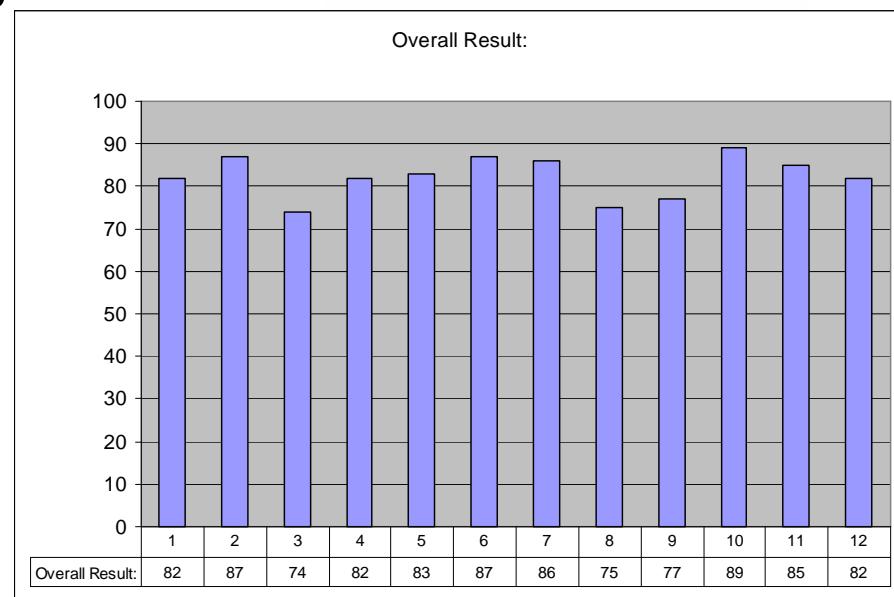
ATM Software Safety Assessment

DAY/TIME	09:00	10:00	12:00	13:00		17:00
Monday		Session 00 Welcome	Session 01 Software & Safety	Session 02 Example Accidents	Session 03 Software Impact on Safety - Exercise	Session 04 Software & Safety Lifecycles
Tuesday	Session 05 Software Safety Planning	Session 06 System & Software Requirements	Session 07 Assurance Levels	Session 08 Requirements - Exercise	Session 09 Software Safety Assurance	Session 10 Introduction to Safety Case
Wednesday	Session 11 ESARRs – SAM – SWAL			Session 12 Software Standards and Software Standards Exercises		Session 13 Audits, Surveys & Reviews
Thursday	Session 14 SW Supply Models & Contracting for assurance		Session 15 Practicalities of a Project	Session 16 Major Case Study		
Friday	Session 16 Major Case Study Continued		Session 17 Course Debrief			

About the participants



- Mainly ANPS
- 50/50 Software – Safety background
- Nearly no ATCO
- Over all Results





What Went Well? What Can We Improve?

- Too fast on safety or Too fast on software
- Use of non ATM examples for exercises

- Group mix
- Cost and Legacy: no real answer
- Very complex documentation (standards)...

- What after? Workshop
- Can't do it alone!



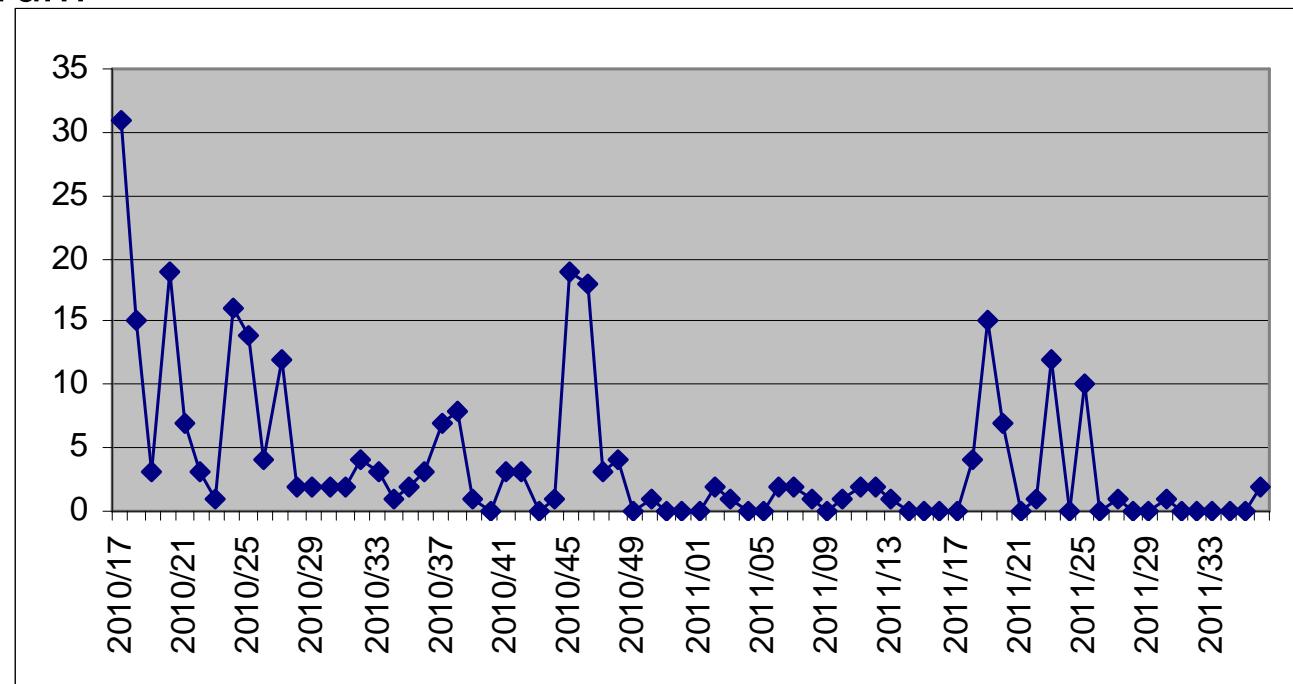
Software Safety Community

SAF-SW community is a place under TZO where people can exchange or share information about Software in ATM.

The screenshot shows the 'Software Safety Community' page within the 'EUROCONTROL Training Zone'. The page features a blue header with the 'EUROCONTROL Training Zone' logo and navigation links for 'Home', 'Sitemap', 'Support', and 'Log out (Vincent Schiffers)'. Below the header, a sub-header reads 'Software Safety Community'. A horizontal menu bar includes icons for 'Home', 'Appointments', 'Members', 'Communication', 'Library', and 'Description'. The main content area is titled 'Welcome to the community "Software Safety Community"' and contains a 'News' section with a 'READ THIS FIRST' post from '28-Apr-2010, SCHIFFLERS, Vincent' about the rules of the community. It also includes sections for 'Community appointments' (showing none scheduled) and 'Participants online (1)' (listing 'Vincent Schiffers'). On the left, a vertical sidebar titled 'My Home' lists various links such as 'Current Learning Activities', 'Planned Learning Activities', 'Past Learning Activities', 'Communities', 'Bookshelf', 'iPROfile', 'Service Centre', 'Who is who', 'Online Help', 'Skills Centre', 'Tutor Centre', 'Catalogues', 'Marketplace', 'Content Management', 'People Management', 'Resources', 'User Administration', 'CRO Custom', 'System Administration', and 'Analyses and Reports'.

SAF-SW Community Facts and figures

- Create in 04/2010
- About 150 participants (SAF-SW participants)
- Accesses to Forum



My conclusions

- Mix audience Pros and Cons
- Software Community after: Not enough
- Clearly ANSPs can be split in
 - I care and I invest time and effort (big ANSPs)
 - Can't do it...
- Arguments about ED-153
 - Not complete (missing GSN), not perfect (errors)
 - BUT: Far better than nothing!

Questions

