

Changes to the Gantt Chart needed during 2013 and already approved by REA (e-mail Dr. Lucia Pacillo 29/07/2013 and 06/09/2013)

We report here the general criteria that were explained to ask to the project officer changes in the Gantt Chart. All the changes have been approved during 2013 and reported in the Gantt Chart version Gantt_chart_proposal_Oct2013.pdf.

- (1) Voudouris (ER4) and Konstantakos (ER3) from AUTH have left AUTH before the start of the FTK IAPP project. (a) Sotiropoulou (ER19) has taken all Voudouris's secondments, spending 4 months at CAEN instead of two (little difference in the budget, since Voudouris was not married, while Sotiropoulou is married). (b) Gentsos that is ESR up to March 2014, has replaced Konstantakos that was ER. He should have gone to PRIELE in June-July, and later in September, but given the fact that not enough experience about the project was transferred to PRIELE in Summer, we asked and obtained to postpone to the following years the secondment (see also point 2) to better activate transfer of knowledge. Also ER19 secondment to PRIELE was delayed for the motivations at point 2. We obtained instead to anticipate the SLPI studies for Gentsos PHD thesis and he could come to CAEN as ESR, using the months scheduled as ESR13, while he will be ER (like Konstantakos) when he will go to PRIELE.
- (2) The original Gantt Chart had 8 months from AUTH to PRIELE of which 6 were in the first year. However the first production of boards and their tests that should have happened in PRIELE with numbers larger than a single prototype, was delayed by the chip delay (see the scientific program description). For this reason 6 months in the first year was not motivated by the evolution of the project. In addition AUTH and PRIELE were two new Institutions in FTK and the transfer of knowledge necessary to let them work 6 months alone, efficiently, without experts, was more than what we could obtain in the first year. The months to PRIELE will be recovered the second, third and fourth year, with profit, since we expect the production of boards to be active in these years. We will also try to split more the remaining months to better cover exactly the moments when the boards will be produced by the company.
- (3) For the same reasons of point (2) we decided that also Dimas 2013 secondment to AUTH should have been delayed to early 2014. In 2014 AUTH will have an active FTK test stand, and will be much more ready to receive personnel from Prisma.
- (4) We needed to change the schedule of MER1 at CAEN. It was necessary because (a) so long periods of absence from UNIFI were difficult to implement, (b) Caen has closure periods, and we needed suspensions in those periods, (c) during the secondments it is not possible to be on the experiment, and MER1 wanted to be able to participate to important CERN milestones.
- (5) Simone Donati and Marco Piendibene proposed to exchange between themselves the two remaining months to be completed at Prisma, since, after the first experience, we understood the work to be done there is more suited for Marco (engineer, expert of hardware) than Simone (physicist expert of software). Marco has to complete 10 days from the previous secondment, that was stopped in advance for family motivations (with the agreement of the PO) plus 60 extra days, for a total of 70 days, that we proposed to divide into 4 future travels, each one of 15 or .20 days, placed strategically at board production time. In the table we tried to put a fraction of month for Marco Piendibene but it was not accepted.
- (6) A set of other minor changes have been approved for the Priele that requires "not more than a research be out of the company at the same time for IAPP" and AUTH personnel, to satisfy the teaching constraints of professors at AUTH: (a) The researcher Mermikli has delayed the stay in Pisa of a couple of months to avoid overlap with Dimas at AUTH, and split the stay at CERN into 2 periods of one month, moving them to the last two years. This is possible because the

commissioning at CERN will be active up to the end of the project. (b) Sakellariou has moved his stay in Pisa at the 3rd year to be far from Mermikli secondment at CERN. (c) Sampsonidis has also split his 2014 stay in CAEN in two periods of 1 month each, to avoid teaching problems.

Further Changes to the Gantt Chart requested at the beginning of 2014 and already approved by REA (e-mail of Dr. Emanuela Marinelli 07/02/2014)

- (1) Piendibene secondment to CAEN is late one month, because his daughter was seriously sick, so the duration is reduced at 5 months, instead of 6 months. The missing month has been moved to the secondment starting January 2015.
- (2) Dimas asked to move by two months later his secondment to AUTH, because of duties he has with the Prisma company. He is also asking to cover a longer period to have the possibility to do 3-4 breaks in the middle of 4 days each, again for Prisma urgent needs. Similar shifts are requested by Mermikli and Sakellariou in 2014 (one month), for Prisma needs (no more than one researcher should be absent from the company at the same time, and each secondment should be separated by some time where all the researchers are at the company). These shifts require a movement to 2015 autumn of Sakellariou secondment at AUTH. This is still compatible with the scientific needs.
- (3) AUTH recruitment: they have some delay, we expect the person can be recruited for April, but administrative reasons could delay even more the start of the recruitment.
- (4) Sampsonidis has the possibility to come for two consecutive months at CAEN, instead of 2 split periods, so we propose his secondment to be done in the period June-July 2014, instead of the expected splitting in June and September, with the result of a better efficiency.
- (5) The researcher Louisa-Calliope Sotiropoulou was expected to come to CAEN for a 5 months secondment in Viareggio, but she is almost near to finish her PHD (not paid in Greece) so she decided to look for a contract, and for this reason she is not going to do more months, waiting that the year at Tessaaloniki after the 2013 secondment will expire (end of July 2014). So Sotiropoulou, after this expiration date (end of July 2014) will exit the IAPP project to search a job outside Tessaaloniki, given the fact that Tessaaloniki cannot pay her.
- (6) A new AUTH student (P. Neroutsos) that is doing his Master's degree in FTK and in particular on the AMBSLP firmware for monitoring and debugging, will take the two Sotiropoulou months of the last year and will go at PRIELE at the end of 2014. He will get his M.Sc degree during summer. So he will be an ESR, but very experienced of the AMBSLP. We insert him in the Gantt Chart as ESR4.
- (7) Gentsos secondment to CAEN, expected to start in February, is slightly delayed to the end of February and we proposed to increase the length from 3 months to 5 months before August, and to add other 3 months after August (closure of CAEN) using all the secondment released by Sotiropoulou. This long period would allow Gentsos to complete his PHD thesis, interacting with CAEN and Crescioli that is the maximum expert of Gentsos thesis argument.
- (8) For Crescioli that should overlap at CAEN with Gentsos, we proposed 2 months during spring, but diluted in 3 months, to allow Crescioli few breaks back in Paris where he has a student to follow. In addition Crescioli following periods have been moved to the periods July-September (2 months diluted into 3 months) for both the 2015 and 2016. These are the best periods to escape duties in the Laboratory, in Paris.

- (9) The recruitment in Paris is strongly delayed by the fact that the selected person has a permanent position and his Institution didn't yet give him the permission to go to Paris. It is an administrative delay. The hope is that he can go to Paris in March or April as the latest time.

Further Changes to the Gantt Chart partially reported (happened in the past) partially proposed (for the future) in May-June 2014

- (1) Dimas (ER5) secondment to AUTH was delayed more, from April to first of June, still for the very important duties he has with the Prisma company. He is also asking the possibility to do 3 periods for a total of 60 days, with long breaks between them, again because of Prisma urgent needs, expected during the year. He will start his first period in June first 2014, the second period should be in October 2014, and the third one in February 2015. **[The June secondment is activated and is ongoing now]. The impact on the project (WP1)** is not relevant, since the firmware activity (T.1.3 SLP2 firmware in ANNEX 1, for WP1), that is Dimas task at AUTH, will be active in 2015 and also at the beginning of 2016. So Dimas can participate even if he delay his presence in AUTH. Production at Prisma has been delayed by the experiment, so transfer of knowledge can happen with a more relaxed schedule, than what planned at the beginning.
- (2) AUTH recruitment (ER9): as expected administrative problems (visa problems, the winner is Japanese) caused extra delays. The start was approved in February for April 2014, while in the Annex 1 was expected to start on February. The recruitment of 24 months **is started at the beginning of June. The impact on the project (WP1, 3, 4)** is acceptable, since also the start of the test activity in AUTH had a delay, caused by the experiment schedule (T.1.7, T.1.8, T.1.11 SLP1 PCB & firmware design, tests for WP1, commissioning for WP3 and simulation and test vector production for WP4)
- (3) The secondment of Mermikli (ESR8) had to be approved by Corte dei Conti in Italy. We received a request of additional documents from the Corte dei Conti, so the contract was not approved in time to start on June first. It has been recently approved for September-October 2014. Sakellariou (ER6) (September-October 2014) is still waiting the approval of "Corte dei Conti", but we followed the same procedure that obtained the approval for Mermikli, so we are confident that also Sakellariou's contract will be approved. **The impact on the project (WP1)** is not relevant, since the software activity, that is Mermikli task at UNIPISA (T.1.12 SLP2 firmware in WP1), will be active in September-October in UNIPISA. Production at Prisma has been delayed by the experiment, so transfer of knowledge can happen with a more relaxed schedule.
- (4) Since the Calliope Sotiropoulou's (ER19) 2 months secondment to PRISMA (ER secondments) have been substituted by Pano's secondments (point 6 of changes approved in February 2014) that is a ESR4 (ESR contracts are roughly half expensive), we ask the possibility to activate in autumn 2014, during Panos secondment, a new secondment of 2 months for Saverio Citraro, that is also ESR, but from UNIFI. **Impact (WP1):** Saverio is very experienced on the boards that will be produced at PRISMA, so his presence will be important to produce transfer of knowledge. With a similar mechanism, since Christos Gentsos (ESR3) worked at CAEN for 5 months in place of Sotiropoulou (ER19) that was ER, we ask the possibility to use the remaining available money (5 ESR months) at CAEN to activate 5 months secondment at CAEN for Panos. Is it possible? **Impact (WP2):** Panos could participate to the integration activity (WP2), after the development/test activity (Wp1). It is important that people that participated to the development and tests, to be part of the integration

phase, as described in the Annex 1, where ER19 and ESR3 were since the beginning involved into both WP1 and WP2. In fact Panos at CAEN will see how the hardware he produced works when connected to other boards, and the collaboration at CAEN will profit of the experience of Panos acquired in the WP1 on his specific piece.

Percentage and data on the ratio of person months between recruitment and secondments

If everything is approved except point (4) the total months for secondments and recruitments are exactly the same as in the Annex 1: 89 secondment months (51%) and 86 recruitment months (49%). If point 4 will be approved we will increase the number of secondment months by 7 with the same budget, so that the total months will be $175+7 = 182$, the secondment months will be 96 (52,7%) and the recruitment months will remain 86 (47,3%).

- (5) Guido Volpi, that had the recruitment contract (ER15 in the Gantt Chart) from UNIPISA for 24 months (started at the end of October 2013) will leave the position on December 2014, because he prefer to move to another job for family and career motivations. **The impact on the project** is not relevant, since Guido will continue to cover his position in the FTK collaboration, so from the scientific point of view of the project, it is not a problem. We ask the authorization to use the 10 recruitment months remaining unused at UNIPISA because of Volpi's change of program, to be able to activate a longer second UNIPISA recruitment (ER16 in the Gantt Chart), a length of 24 months instead of 14 as expected now. **The impact on the project** would be important since the second UNIPISA contract offers the main personnel to execute the WP5 plan, not yet activated. The start of the WP5 activity is becoming very important because the "Image Processing" activity of WP5 is expected to be applied on Smart Cameras, as demonstrated by our invited talk at the conference <http://eunevis.org/wasc2014/>, so we would like very much to profit of a longer recruitment and we ask also the authorization to anticipate the start of this contract to December 2014, instead of March 2015.
- (6) Petrucci announced few days ago that he is planning to leave CAEN after his secondment at CERN scheduled for July-August-early September. He is asking to go to CERN, even if he will not spend one year in CAEN after the secondment, to install in the experiment the Power Supply that he designed and built. For the secondments in the future years he would be substituted by Alessandro Iovene. Alessandro Iovene has been part of the IAPP project since the beginning, he is the CAEN member of the General Assembly. Alessandro worked at CAEN for the project, but all the secondments were planned for Petrucci, that was also scientist in charge of CAEN. Alessandro should become Scientist in Charge. **The impact on the project (WP3) would be negative** if he could not go, because he cannot be replaced by other CAEN personnel for his secondment in 2014.

Percentage and data on the ratio of person months between recruitment and secondments

If everything is approved except point (4) the total months for secondments and recruitments are exactly the same as in the approved project: 89 secondment months (51%) and 86 recruitment months (49%).

If point 4 will be approved we will increase the number of secondment months by ~7 with the same budget, so that the total months will be $175+7 = 182$, the secondment months will be 96 (52,7%) and the recruitment months will remain 86 (47,3%).