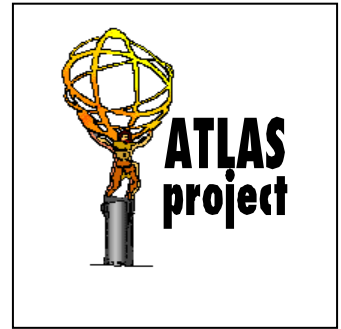


CERN-RRB-2008-120

ATLAS Resources Review Board, November 10, 2008



2008 - 2009 ATLAS Baseline and Cost to Completion Budgets



CERN-RRB-2008-120

ATLAS Resources Review Board, November 10, 2008

For RRB to take note

Part 1

Status of the 2008 ATLAS Baseline and Cost to Completion Budgets

Introduction

The ATLAS management, supported by the ATLAS Executive and Collaboration Boards, kindly invites the RRB to take note of the status of the baseline and cost to completion budgets for 2008.

The RRB approved in October 2007 the 2008 ATLAS budget for construction activities (CERN-RRB-2007-071). The baseline commitments and payments were planned at 4.8 MCHF and 3.0 MCHF, respectively. No C&I (Commissioning and Integration) or CC (Construction Completion) payments were planned at that time. An update of the budgets was presented in April 2008 (CERN-RRB-2008-033, Part 2). The present document provides a further budget status report. All cost to completion payments remain in line with the updated Completion Plan (CERN-RRB-2002-114 rev.; CERN-RRB-2007-016 Table 1).

BASELINE BUDGET

REPORT ELEMENTS

 Summary Update

 Table References

1. Baseline Budget & CC-A Status for 2008

The updated 2008 baseline commitments are estimated at 2.2 MCHF and payments at 2.4 MCHF, respectively. This represents a slight decrease in expected payments w.r.t. the April 2008 update (CERN-RRB-2008-033), due to shift in payments in TDAQ processors as a consequence of the new machine start-up schedule (collisions in May 2009).

The status of the planned commitments and payments by system/sub-detector and Funding Agencies are presented in **Tables 1 to 3**. The column “m.s. contrib.” in Table 3 shows membership fees to be paid by the end of 2008, including both due membership contributions in the baseline budget as defined in the construction MoU (RRB-D 98-44 rev.) as well as the extended membership fees as part of the CC-A. It is reminded that although there are no more Common Fund or Cost to Completion (CtC) payments, contributions remain due for some Funding Agencies. These contributions amount to ca. 10 MCHF.

C & I B U D G E T

R E P O R T E L E M E N T S

Summary Update

Payment Plan

Table References

2. C&I (A and B) Status for 2008

The Commissioning and Integration (C&I) activities ended in 2007. An update was provided in April 2008 (CERN-RRB-2007-033, Part 2). Some commitments dating back to 2007 or earlier remained open until 2008 and have by now been all settled. All payments are within the endorsed Completion Plan (CERN-RRB-2002-114 rev/Annex).

Table 4 shows the status of expected, so called Category-1 contributions for 2008 from each Funding Agency and system (Categories A and B, both based on CORE sharing) as well as the remaining payments by each system. The expected contributions amount to 63 kCHF and remaining payments 429 kCHF. The negative budget balance contributes to the global budget position shown in Table 7.

C C B U D G E T

R E P O R T E L E M E N T S

Summary Update

Payment Plan

Table References

3. Construction Completion (CC-B) Status for 2008

The Commissioning and Integration (C&I) activities ended in 2007. There are no outstanding commitments from past years. All payments are within the endorsed Completion Plan (CERN-RRB-2002-114 rev/Annex). The corresponding expected income (so called Category-1) amounts to 312 kCHF. The positive budget balance contributes to the global budget position shown in Table 7.

Table 5 shows the expected contributions for 2008 for each Funding Agency (Category-B).

It should be reminded that today the deferrals scheme has not yet balanced the projected budget position shown in Table 7. The deferral scheme was accepted by the RRB in 2002 as part of the Completion Plan (CERN-RRB-2004-114 rev.) to financially bridge the gap between the planned Cost to Completion payments (68 MCHF) and pledged contributions (initially, 47 MCHF). This is achieved by staging certain baseline detector components, mostly TDAQ processors, thus redirecting originally pledged baseline CORE funds towards completing the initial detector. The staged items will then be restored centrally by the ATLAS management once the received contributions reach 68 MCHF.

The status of received deferral funds is presented in **Table 6**. These contributions are not included in the baseline contribution tables presented earlier.

A summary of the pledged C&I and CC contributions (Category-1) per year and Funding Agency is provided in the **Annex 1** of this document (Part 2).

Planned CORE and CC-A Contributions to ATLAS Detector
Construction during 2008 by Funding Agency
 (Commitments, in kCHF)

Funding Agency	Inner Det.	LAr Cal.	Tile Cal.	Muon cham.	Trigger /DAQ	Common Projects	total
Argentina						0	0
Armenia						0	0
Australia						0	0
Austria						0	0
Azerbaijan						0	0
Belarus						0	0
Brazil						0	0
Canada						0	0
Chile					180	138	318
China NSFC+MSTC						0	0
Colombia						138	138
Czech Republic						0	0
Denmark						0	0
Finland						0	0
France IN2P3						0	0
France CEA						0	0
Georgia						0	0
Germany BMBF						0	0
Germany DESY					180	0	180
Germany MPI						0	0
Greece						0	0
Israel					40	0	40
Italy						0	0
Japan						0	0
Morocco						0	0
Netherlands						0	0
Norway						0	0
Poland						0	0
Portugal						0	0
Romania						0	0
Russia						0	0
JINR						0	0
Serbia						0	0
Slovak Republic						0	0
Slovenia					95	0	95
Spain						0	0
Sweden						0	0
Switzerland					100	0	100
Taipei						0	0
Turkey						0	0
United Kingdom						0	0
US DOE+NSF					845	0	845
CERN					525	0	525

from past Common Fund contributions

0

total sub-detector

-	-	-	-	1,965	276	2,241
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Planned CORE and CC-A Contributions to ATLAS Detector
Construction during 2008 by Funding Agency
(Payments, in kCHF)

Funding Agency	Inner Det.	LAr Cal.	Tile Cal.	Muon cham.	Trigger /DAQ	Common Projects	total
Argentina						0	0
Armenia						29	29
Australia						350	350
Austria					135	0	135
Azerbaijan						0	0
Belarus						0	0
Brazil						63	63
Canada						1500	1500
Chile						138	138
China NSFC+MSTC						0	0
Colombia						138	138
Czech Republic						0	0
Denmark					350	0	350
Finland						0	0
France IN2P3						0	0
France CEA						0	0
Georgia						0	0
Germany BMBF						2	2
Germany DESY						0	0
Germany MPI						0	0
Greece						0	0
Israel					40	250	290
Italy						2288	2288
Japan						600	600
Morocco						125	125
Netherlands						0	0
Norway						0	0
Poland						0	0
Portugal						0	0
Romania						0	0
Russia						2597	2597
JINR						440	440
Serbia						0	0
Slovak Republic						0	0
Slovenia					95	0	95
Spain						0	0
Sweden						0	0
Switzerland					100	0	100
Taipei						0	0
Turkey						0	0
United Kingdom						0	0
US DOE+NSF					845	1640	2485
CERN					525	0	525

from past Common Fund contributions

0

missing contributions to meet planned project payments

-

total sub-detector

-	-	-	-	2,090	10,160	12,250
---	---	---	---	-------	--------	--------

Planned CORE Common Project Contributions
during 2008 by Funding Agency
 (Baseline+CC-A, in kCHF)

Funding Agency	payments				new commitments needed		
	in-kind contrib.	cash contrib.	m.s. contrib.	total contrib.	in-kind contrib.	Common Fund	total contrib.
Argentina	0	0	0	0	0	0	0
Armenia	0	0	29	29	0	0	0
Australia	0	350	0	350	0	0	0
Austria	0	0	0	0	0	0	0
Azerbaijan	0	0	0	0	0	0	0
Belarus	0	0	0	0	0	0	0
Brazil	0	0	63	63	0	0	0
Canada	0	1500	0	1500	0	0	0
Chile	0	0	138	138	0	138	138
China NSFC+MSTC	0	0	0	0	0	0	0
Colombia	0	0	138	138	0	138	138
Czech Republic	0	0	0	0	0	0	0
Denmark	0	0	0	0	0	0	0
Finland	0	0	0	0	0	0	0
France IN2P3	0	0	0	0	0	0	0
France CEA	0	0	0	0	0	0	0
Georgia	0	0	0	0	0	0	0
Germany BMBF	0	2	0	2	0	0	0
Germany DESY	0	0	0	0	0	0	0
Germany MPI	0	0	0	0	0	0	0
Greece	0	0	0	0	0	0	0
Israel	0	250	0	250	0	0	0
Italy	0	2288	0	2288	0	0	0
Japan	0	600	0	600	0	0	0
Morocco	0	50	75	125	0	0	0
Netherlands	0	0	0	0	0	0	0
Norway	0	0	0	0	0	0	0
Poland	0	0	0	0	0	0	0
Portugal	0	0	0	0	0	0	0
Romania	0	0	0	0	0	0	0
Russia	0	2247	350	2597	0	0	0
JINR	0	440	0	440	0	0	0
Serbia	0	0	0	0	0	0	0
Slovak Republic	0	0	0	0	0	0	0
Slovenia	0	0	0	0	0	0	0
Spain	0	0	0	0	0	0	0
Sweden	0	0	0	0	0	0	0
Switzerland	0	0	0	0	0	0	0
Taipei	0	0	0	0	0	0	0
Turkey	0	0	0	0	0	0	0
United Kingdom	0	0	0	0	0	0	0
US DOE+NSF	0	1640	0	1640	0	0	0
CERN	0	0	0	0	0	0	0
Common Fund	0	0	0	0			
missing contributions to meet planned project payments				-			
total	-	9,367	793	10,160	-	276	276

**Planned C+I Contributions (cash and in-kind)
for ATLAS in 2008 by Funding Agency
(Categories A and B, in kCHF)**

10/24/2008

Funding Agency	Cat. A items	Category B item contributions						Total Cat. B	Total A+B
		Pixel	SCT	TRT	IDGen	LAr	TileC		
Argentina							0	0	
Armenia							0	0	
Australia							0	0	
Austria							0	0	
Azerbaijan							0	0	
Belarus							0	0	
Brazil							0	0	
Canada							0	0	
China NSFC+MSTC							0	0	
Czech Republic							0	0	
Denmark			50				50	50	
France IN2P3							0	0	
France CEA	13						0	13	
Georgia							0	0	
Germany BMBF							0	0	
Germany DESY							0	0	
Germany MPI							0	0	
Greece							0	0	
Israel							0	0	
Italy							0	0	
Japan							0	0	
Morocco							0	0	
Netherlands							0	0	
Norway							0	0	
Poland							0	0	
Portugal							0	0	
Romania							0	0	
Russia							0	0	
JINR							0	0	
Serbia							0	0	
Slovak Republic							0	0	
Slovenia							0	0	
Spain							0	0	
Sweden							0	0	
Switzerland							0	0	
Taipei							0	0	
Turkey							0	0	
United Kingdom							0	0	
US DOE + NSF							0	0	
CERN							0	0	
total contributions	13	0	0	50	0	0	0	50	63
other income*								0	0
total payments				231	4		194	429	429
balance									(366)

Notes:

*Funds available either in baseline or by using deferral funds or contribution advancements
Cost sharing based on CORE contributions

**Planned CC-B Contributions (cash and in-kind)
for ATLAS in 2008 by Funding Agency
(in kCHF)**

10/29/2008

Funding Agency	Category B item contributions							Total Cat. B
	Pixel	SCT	TRT	IDGen	LAr	TileC	Muon	
Argentina								0
Armenia								0
Australia								0
Austria								0
Azerbaijan								0
Belarus								0
Brazil								0
Canada								0
Chile								0
China NSFC+MSTC								0
Colombia								0
Czech Republic								0
Denmark		10						10
France IN2P3								0
France CEA					213		60	273
Georgia								0
Germany BMBF								0
Germany DESY								0
Germany MPI								0
Greece								0
Israel								0
Italy								0
Japan								0
Morocco					3			3
Netherlands								0
Norway								0
Poland								0
Portugal						13		13
Romania								0
Russia								0
JINR					13			13
Serbia								0
Slovak Republic								0
Slovenia								0
Spain								0
Sweden								0
Switzerland								0
Taipei								0
Turkey								0
United Kingdom								0
US DOE + NSF								0
CERN								0
total contributions	0	0	10	0	229	13	60	312
other income*								0
total payments								0
balance								312

Notes:

*Funds available either in baseline or by using deferral funds or contribution advancements

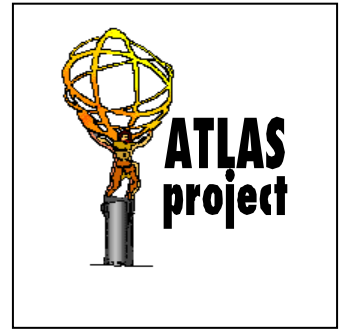
**Status of Deferral Contributions (cash and in-kind)
for ATLAS by Funding Agency (in kCHF)
(August 31, 2008)**

10/24/2008

Funding Agency	Contribution		Deferral contribution allocated to							Total alloc.	
	Pixel	TDAQ	Magnets	LArCC	Infrastr.	ID	LAr	TileC	Muon		TDAQ
Argentina											0
Armenia											0
Australia											0
Austria		100	100								100
Azerbaijan											0
Belarus											0
Brazil											0
Canada											0
China NSFC+MSTC											0
Czech Republic											0
Denmark		500	500								500
France IN2P3	380		380								380
France CEA											0
Georgia											0
Germany BMBF	810	780	915					275	400		1590
Germany DESY											0
Germany MPI											0
Greece											0
Israel											0
Italy		605							605		605
Japan		750	750								750
Morocco											0
Netherlands		325	325								325
Norway											0
Poland											0
Portugal		50	50								50
Romania											0
Russia											0
JINR											0
Serbia											0
Slovak Republic											0
Slovenia											0
Spain											0
Sweden											0
Switzerland		2000		77	1089	834					2000
Taipei											0
Turkey		150	150								150
United Kingdom		1110	1110								1110
US DOE + NSF		100							100		100
CERN		2950	2950								2950
total contributions	1,190	9,420	7,230	0	77	1,089	834	0	275	1105	10,610

Notes:

Deferral scheme as part of the Cost to Completion Plan (CERN-RRB-2002-114 rev.)
 Deferral funds refer to resources allocated to original CORE obligations now staged
 Total of approved deferral funding is 13 MCHF for TDAQ and 2 MCHF for Pixels
 Resources directed back to TDAQ reduce the available cash accordingly
 The deferral contributions will be included in the final CORE baseline payments report



CERN-RRB-2008-120

ATLAS Resources Review Board, November 10, 2008

For RRB approval

Part 2

Request for 2009 ATLAS Baseline and Cost to Completion Budgets

Introduction

The ATLAS management, supported by the ATLAS Executive and Collaboration Boards, kindly invites the RRB to approve the 2009 baseline and cost to completion budgets.

The budget request for the ATLAS detector construction baseline expenses in 2009 amounts to 2.0 MCHF in commitments and 2.1 MCHF in payments, respectively. There are no planned Commissioning and Integration (C&I) or Construction Completion (CC) costs in 2009 (activities were completed in 2007).

The temporary cumulative budget deficit up to 3 MCHF projected by the end of 2008 could be fully recovered in 2009 if all expected contributions were received. More details on remaining contributions from each Funding Agency are provided in **Annex 2**. Negotiations continue with the Funding Agencies to obtain these contributions as soon as possible.

BASELINE BUDGET

REPORT ELEMENTS

 Budget summary

 Activity Description

 Table References

1. Baseline Budgets for 2009

Concerning the initial detector configuration, the only remaining activity is related to the TDAQ system.

The 2009 baseline commitments and payments for the detector systems are budgeted at 2.0 MCHF and 2.1 MCHF, respectively. The cost driver is the purchase of the trigger processors for the High Level Trigger system.

Detector (sub) system construction:

All detector (sub) system and Common Project-related baseline activities were finished in 2007. From 2008 onwards, all common activities have been fully covered by the M&O-A budget. In 2008, only due Common Fund and Cost to Completion contributions remained to cover past payments.

The ATLAS management has reported additional manpower costs outside the agreed financial framework at a level of about 0.2 MCHF per month since August 2007, following delays in the foreseen machine start-up. The final share related to construction amounts to 1.9 MCHF. It is covered by CERN in the understanding it is

reimbursed by ATLAS once the deferred funds become available. This will correspondingly reduce the volume of the restored TDAQ HLT processors.

Table 7 shows the global budget balance. There is a slight improvement w.r.t the situation in April, 2008 (CERN-RRB-2008-033) as Canada has confirmed the payment of the 1.5 MCHF by 2011. Table 7 includes the present total CtC costs of 72.6 MCHF but not any additional manpower costs of 1.9 MCHF generated by machine delays as discussed above. The temporary, cumulative budget deficit of ca. 3 MCHF projected by the end of 2008 would return to zero if all currently pledged contributions were received now, including the deferral funds. At present, the following expected baseline Common Fund contributions have not yet been received: Russia (2.5 MCHF), US (1.0 MCHF), Canada (1.5 MCHF), JINR (0.5 MCHF) and Morocco (0.1 MCHF). ATLAS management remains confident that some of the above contributions will become available soon, the others on a longer time scale up to 2011.

It should be stressed that unless the required contributions are secured soon, ATLAS is left with no other choice than to further stage parts of the initial detector, in particular TDAQ processors.

The ATLAS management urges Funding Agencies to make their remaining baseline and cost to completion contributions as soon as possible. In parallel, the ATLAS management continues seeking ways to shift payments as much as it can. If no other solution is found, new commitments will not be made until funding is available. This would certainly result in sub-optimal running of the TDAQ system.

Table 7. Evolution of the ATLAS Budget Balance (MCHF)

PAYMENTS	95-01	2002	2003	2004	2005	2006	2007	2008	2009	2010	Total
Baseline + CC(A)	231	71	56	52	43	29	19	2	3	2	509
<i>of which deferrals</i>					-3	-2	-4				-9
C&I (A+B)	0	1	3	4	9	2	1	0			21
CC (B)		1	1	1	4	2	3				12
TOTAL	231	73	61	57	54	30	19	3	3	2	532
INCOME	95-01	2002	2003	2004	2005	2006	2007	2008	2009	2010	Total
Baseline + CC(A)	252	65	55	54	33	15	13	5	3	2	496
C&I (A+B)		1	9	3	4	4	2	0			23
CC (B)		2	4	2	1	2	0	0			11
TOTAL	252	68	68	59	38	20	15	6	3	2	530
BUDGET BALANCE	21	-5	7	2	-15	-11	-4	3	0	0	-2
CUMULATIVE	21	15	23	25	9	-1	-6	-3	-2	-2	
CUMULATIVE (APRIL 2008)	21	15	23	25	9	-1	-6				

Details of the budget estimates for 2009 by system/sub-detector and Funding Agencies are presented in **Tables 8 to 10**. There are no planned C&I or CC activities in 2009 as all these activities have finished in 2007.

Planned CORE and CC-A Contributions to ATLAS Detector
Construction during 2009 by Funding Agency
 (Commitments, in kCHF)

Funding Agency	Inner Det.	LAr Cal.	Tile Cal.	Muon cham.	Trigger /DAQ	Common Projects	total
Argentina						0	0
Armenia						0	0
Australia						0	0
Austria						0	0
Azerbaijan						0	0
Belarus						0	0
Brazil						0	0
Canada						0	0
Chile						0	0
China NSFC+MSTC						0	0
Colombia						0	0
Czech Republic					20	0	20
Denmark						0	0
Finland						0	0
France IN2P3						0	0
France CEA						0	0
Georgia						0	0
Germany BMBF						0	0
Germany DESY						0	0
Germany MPI						0	0
Greece						0	0
Israel						0	0
Italy						0	0
Japan						0	0
Morocco						0	0
Netherlands						0	0
Norway						0	0
Poland						0	0
Portugal					150	0	150
Romania						0	0
Russia						0	0
JINR						0	0
Serbia						0	0
Slovak Republic						0	0
Slovenia						0	0
Spain						0	0
Sweden						0	0
Switzerland					830	0	830
Taipei						0	0
Turkey						0	0
United Kingdom						0	0
US DOE+NSF						0	0
CERN					1045	0	1045

from past Common Fund contributions

0

total sub-detector

-	-	-	-	2,045	-	2,045
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Planned CORE and CC-A Contributions to ATLAS Detector
Construction during 2009 by Funding Agency
(Payments, in kCHF)

Funding Agency	Inner Det.	LAr Cal.	Tile Cal.	Muon cham.	Trigger /DAQ	Common Projects	total
Argentina						0	0
Armenia						0	0
Australia						0	0
Austria						0	0
Azerbaijan						0	0
Belarus						0	0
Brazil						0	0
Canada						0	0
Chile					180	0	180
China NSFC+MSTC						0	0
Colombia						0	0
Czech Republic					20	0	20
Denmark						0	0
Finland						0	0
France IN2P3						0	0
France CEA						0	0
Georgia						0	0
Germany BMBF						0	0
Germany DESY						0	0
Germany MPI						0	0
Greece						0	0
Israel						0	0
Italy						0	0
Japan						0	0
Morocco						0	0
Netherlands						0	0
Norway						0	0
Poland						0	0
Portugal						0	0
Romania						0	0
Russia						0	0
JINR						0	0
Serbia						0	0
Slovak Republic						0	0
Slovenia						0	0
Spain						0	0
Sweden						0	0
Switzerland					830	0	830
Taipei						0	0
Turkey						0	0
United Kingdom						0	0
US DOE+NSF						0	0
CERN					1045	0	1045

from past Common Fund contributions

0

missing contributions to meet planned project payments

-

total sub-detector

-	-	-	-	2,075	-	2,075
---	---	---	---	-------	---	-------

Planned CORE Common Project Contributions
during 2009 by Funding Agency
 (Baseline+CC-A, in kCHF)

Funding Agency	payments				new commitments needed		
	in-kind contrib.	cash contrib.	m.s. contrib.	total contrib.	in-kind contrib.	Common Fund	total contrib.
Argentina	0	0	0	0	0	0	0
Armenia	0	0	0	0	0	0	0
Australia	0	0	0	0	0	0	0
Austria	0	0	0	0	0	0	0
Azerbaijan	0	0	0	0	0	0	0
Belarus	0	0	0	0	0	0	0
Brazil	0	0	0	0	0	0	0
Canada	0	0	0	0	0	0	0
Chile	0	0	0	0	0	0	0
China NSFC+MSTC	0	0	0	0	0	0	0
Colombia	0	0	0	0	0	0	0
Czech Republic	0	0	0	0	0	0	0
Denmark	0	0	0	0	0	0	0
Finland	0	0	0	0	0	0	0
France IN2P3	0	0	0	0	0	0	0
France CEA	0	0	0	0	0	0	0
Georgia	0	0	0	0	0	0	0
Germany BMBF	0	0	0	0	0	0	0
Germany DESY	0	0	0	0	0	0	0
Germany MPI	0	0	0	0	0	0	0
Greece	0	0	0	0	0	0	0
Israel	0	0	0	0	0	0	0
Italy	0	0	0	0	0	0	0
Japan	0	0	0	0	0	0	0
Morocco	0	0	0	0	0	0	0
Netherlands	0	0	0	0	0	0	0
Norway	0	0	0	0	0	0	0
Poland	0	0	0	0	0	0	0
Portugal	0	0	0	0	0	0	0
Romania	0	0	0	0	0	0	0
Russia	0	0	0	0	0	0	0
JINR	0	0	0	0	0	0	0
Serbia	0	0	0	0	0	0	0
Slovak Republic	0	0	0	0	0	0	0
Slovenia	0	0	0	0	0	0	0
Spain	0	0	0	0	0	0	0
Sweden	0	0	0	0	0	0	0
Switzerland	0	0	0	0	0	0	0
Taipei	0	0	0	0	0	0	0
Turkey	0	0	0	0	0	0	0
United Kingdom	0	0	0	0	0	0	0
US DOE+NSF	0	0	0	0	0	0	0
CERN	0	0	0	0	0	0	0
Common Fund	0	0	0	0			
missing contributions to meet planned project payments				-			
total	-	-	-	-	-	-	-

ACTUAL & PLANNED INCOME FOR ATLAS C&I (kCHF)

Annex 1

Funding Agency	C&I (A)										Calc. Total	C&I (B)										Calc. Total	Invoice Total	Calc. G.Total			
	2002	2003	2004	2005	2006	2007	2008	2009	2010	Total		2002	2003	2004	2005	2006	2007	2008	2009	2010	Total						
Argentina	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Armenia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Australia	0	0	0	0	0	56	0	0	0	0	56	56	13	17	0	0	0	29	0	0	0	0	59	59	115	115	
Austria	0	5	6	4	0	0	0	0	0	0	15	15	0	0	0	0	0	0	0	0	0	0	0	0	15	15	
Azerbaijan	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4	
Belarus	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	10	
Brazil	0	0	0	0	0	0	0	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0	1	11	1	15	
Canada	0	0	0	336	0	0	0	0	0	0	336	336	0	71	0	155	0	0	0	0	0	0	226	226	562	562	
Chile	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
China NSFC+MSTC	0	7	8	5	0	0	0	0	0	0	20	20	0	10	9	3	0	0	0	0	0	0	22	22	42	42	
Colombia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Czech Republic	2	9	20	0	0	0	0	0	0	0	31	31	14	33	22.7	19.3	0	0	0	0	0	89	89	120	120		
Denmark	0	0	0	0	0	0	0	0	0	0	0	71	10	0	0	0	0	50	0	0	0	60	60	60	131		
France IN2P3	0	0	0	11	740	0	0	0	0	0	751	865	54	40	146	238	372	0	0	0	0	850	850	1601	1715		
France CEA	0	0	0	0	245	0	13	0	0	0	258	295	0	0	0	0	265	0	0	0	0	265	265	523	560		
Georgia	0	0	0	0	0	4	0	0	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	4	4	
Germany BMBF	252	0	18	454	0	0	0	0	0	0	724	724	253	0	183	16	105	0	0	0	0	557	557	1281	1281		
Germany DESY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Germany MPI	0	44	69	54	0	0	0	0	0	0	167	167	36	34	45	44	1	0	0	0	0	160	165	327	332		
Greece	0	0	0	0	0	36	0	0	0	0	36	36	0	0	0	0	52	0	0	0	0	52	52	88	88		
Israel	0	0	0	0	106	0	0	0	0	0	106	107	14	72	50	0	0	0	0	0	0	136	135	242	242		
Italy	0	350	206	205	205	0	0	0	0	0	966	1007	0	418	93	190	262	0	0	0	0	963	980	1929	1987		
Japan	0	0	247	436	0	0	0	0	0	0	683	683	0	0	290	360	0	0	0	0	0	650	650	1333	1333		
Morocco	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	6	0	10	10	
Netherlands	0	118	141	82	0	0	0	0	0	0	341	341	34	65	83	43	0	0	0	0	0	225	225	566	566		
Norway	0	32	38	22	0	0	0	0	0	0	92	92	23	29	26	20	0	0	0	0	0	98	98	190	190		
Poland	0	0	0	0	20	0	0	0	0	0	20	20	2	0	0	0	2	0	0	0	0	4	22	24	42		
Portugal	0	0	0	38	6	0	0	0	0	0	44	46	3	0	0	60	72	0	0	0	0	135	135	179	181		
Romania	0	0	0	15	0	0	0	0	0	0	15	15	0	0	29	11	0	0	0	0	0	40	40	55	55	All in-kind	
Russia	150	320	220	398	0	0	0	0	0	0	1088	408	28	122	0	65	91	0	0	0	0	306	588	1394	996	All in-kind	
JINR	0	0	0	0	0	0	0	0	0	0	0	117	48	78	144	62	0	0	0	0	0	332	289	332	406		
Serbia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Slovak Republic	0	0	0	0	0	0	0	0	0	0	0	11	10	36	0	0	0	0	0	0	0	46	8	46	19		
Slovenia	0	0	0	0	36	0	0	0	0	0	36	36	0	0	0	0	35	0	0	0	0	35	35	71	71		
Spain	0	0	163	53	0	0	0	0	0	0	216	220	22	55	211	83	10	0	0	0	0	381	381	597	601		
Sweden	0	83	99	57	0	0	0	0	0	0	239	239	45	90	0	0	195	0	0	0	0	330	330	569	569		
Switzerland	0	0	0	0	433	0	0	0	0	0	433	433	3	0	0	0	235	0	0	0	0	238	238	671	671		
Taipei	0	22	27	16	0	0	0	0	0	0	65	65	8	26	12	15	0	0	0	0	0	61	61	126	126		
Turkey	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	10	
United Kingdom	0	0	250	250	232	32	0	0	0	0	764	764	0	269	174	116	0	0	0	0	0	559	559	1323	1323		
US DOE + NSF	0	0	0	0	0	1500	0	0	0	0	1500	1807	51	25	0	0	0	0	0	0	0	76	2001	1576	3808		
CERN	111	5485	0	0	0	0	0	0	0	0	5596	1428	199	1081	0	0	80	0	0	0	0	1360	1260	6956	2688		

total 515 6475 1512 2436 2023 1628 13 0 0 14602 10496 874 2575 1518 1500 1460 346 50 0 0 8323 10410 22925 20906

calculated total 865 2775 4341 2515 0 0 10496 0 1405 2770 3375 2825 35 10410

% 139 % 80

Actual payments 332 1425 1474 6696 352 5 10284 376 1710 1978 2366 1972 548 8950

Income-actual payments 183 5050 38 -4260 1671 1623 4305 498 865 -460 -866 -512 -202 -677

balance cumulative

Status of Contributions to ATLAS from Funding Agencies (August 31, 2008), kCHF

Annex 2

Funding Agency	Construction MoU obligations (kCHF)					CC and C&I accepted (kCHF)			Grand total committed (CORE-CC-C&I)	Part not yet pledged		Additional contributions (CtC-2)	
	detectors			CF remaining contrib.	total CMoU	total paid	remaining contrib.	total committed		CC	C&I		
	total paid	remaining deliverables	remaining deferrals										
Argentina	200				200	75		75	275				
Armenia	195				195	16	29	45	240	10	11		
Australia	2145			350	2495	357		357	2852				
Austria	460	40	50		550	80		80	630				
Azerbaijan	100				100	38		38	138		4		
Belarus	200				200	75		75	275		10		
Brazil	160			25	185	3	38	41	226	7	14		
Canada	13575			1500	15075	2090		2090	17165				
Chile		180		100	285		38	38	323				
China NSFC+MSTC	1575				1575	141		141	1716				
Colombia				100	100		38	38	138				
Czech Republic	1610		35		1645	316		316	1961				
Denmark	3195	105			3300	58		58	3358	243	121		
Finland	100				100				100				
France IN2P3	39080				39080	5891		5891	44971				
France CEA	13679				13679	1667	273	1940	15619				
Georgia	100				100	38		38	138		4		
Germany BMBF	32568				32568	4529	2	4531	37099				
Germany DESY	100				100	38		38	138				
Germany MPI	7545				7545	1093		1093	8638				
Greece	1725				1725	261		261	1986				
Israel	4785			250	5035	739		739	5774				
Italy	43185		1925		45110	4000	2288	6288	51398	292	58		
Japan	31575			600	32175	4362		4362	36537				
Morocco	243			113	355	26	16	42	397	5	10		
Netherlands	12115				12115	1934		1934	14049				
Norway	4120				4120	581		581	4701				
Poland	965				965	123		123	1088	6	2		
Portugal	1930	150	100		2180	326	13	339	2519	105	2		
Romania	550				550	140		140	690				
Russia	15920			2335	18255	1496	263	1759	20014	1232			
JINR	7340	100		440	7880	508	13	521	8401	471	74		
Serbia						300		300	300				
Slovak Republic	550				550	82		82	632				
Slovenia	1540				1540	171	12	183	1723				
Spain	9775				9775	1706		1706	11481				
Sweden	10800				10800	1691		1691	12491				
Switzerland	17645	860			18505	2372		2372	20877				
Taipei	3000				3000	445		445	3445				
Turkey	350				350	75		75	425		10		
United Kingdom	34100				34100	4387		4387	38487				
US DOE+NSF	77030	255	1983	1467	80735	7527	173	7700	88435				
CERN	58310	1205			59515	9300		9300	68815			4400	
TOTAL	454140	2895	4093	7280	468412	59057	3196	62253	530665	2371	320	4400	
					<i>of which for CtC</i>			5918				0	
Available for payments					Total baseline available	462495		RRB accepted CtC(1)	68170			RRB accepted CtC (2)	4400
Notes										Grand total		535065	

- Column 'Total Paid' in Construction MoU is renormalized, includes also the deferral contributions made so far
- Total CMoU refers to updated CORE construction figures (March 2008)
- Original TDR detector staged for 21 MCHF of which < 14.5 MCHF (deferrals) can be used for covering cost over-runs
- Sharing between BMBF/MPI and RF/JINR based on CORE MoU
- CEA has contributed 1 MCHF to CF over and above its original MoU share (not shown here)
- Risk of missing contributions in CF is 4.7 MCHF (Russia&JINR 3.0 MCHF, Morocco& other 0.2 MCHF)
- Remaining US C&I contribution of 4.5 MCHF is agreed on a best effort basis