

## Minutes meeting

Meeting Title	<b>Financial review of B311</b>
Time and Place	<b>17 Jul 2017 CERN 30-6-019</b>
Reference Documents	<a href="https://indico.cern.ch/event/651514/">https://indico.cern.ch/event/651514/</a>
Minutes	M.Capeans & C.Zanoaga-Rastoll (TE-PPR)

1. Meeting's Purpose	Overview of the budget of the B311 project, with a focus on remaining costs and their timeline till project completion.
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2. Attendees List		Excused	
Name	Org Unit	Name	Org Unit
Mar Capeans Garrido	TE-PPR <u>Chair Person</u>	Jean-Claude Guillaume	EN-EL-FC
Lisette Van Den Boogaard	TE-PPR	Thierry Charvet	EN-EL-EIC
Pierre Cardon	SMB-DI	Damien Lafarge	EN-HE-LM
Roberto Ales Bozzi	EN-CV-PJ	Rosario Principe	TE-MS-C-LMF
Luca Sburlino	EN-EL-FC	Denis Raffourt	BE-ICS-AS
Roberto Rinaldesi	EN-HE-HM	Nino Rama	BE-ICS-AC
Maryse Da Costa	IT-CS-DO		
Alexandre Curschellas	IT-CS-DO		
Olaf Dunkel	TE-MS-C-MM		
Stephan Russenschuck	TE-MS-C-MM		

3. Meeting's Minutes
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### Budget overview and review objectives

Presenters: **Lisette Van Den Boogaard, Mar Capeans**

M. Capeans defines the purpose of the meeting: to verify the financial situation of each WP of the B311 project, with WP leaders reporting on current expenditures VS forecasted and needs till project completion. An overview of the remaining works and their cost is expected. The target is to know the project final cost as precise as possible, in order to close down the project budgets right after the expected hand-over date (end 2017).

A budget overview was made by L. Van Den Boogaard:

<b>B311 PROJECT</b>	<b>kCHF</b>
Available budget at IPP	9560
Budget remaining in 2017	7191
Indexation	-229
New budget 2017	6962
Expenditures @ July 2017 (Comm+Pipeline)	4328
Remaining till project completion	2634

### 1. WP1, Civil Engineering

Presenter: **Pierre Cardon**

<b>WP1, SMB</b>	<b>kCHF</b>
Available budget at IPP	5064
Current expenditure (incl. committed)	2988
Expenditures foreseen till Dec' 17	150

Overruns	None
Possible savings	1925

Spending well below the initial budget at IPP. Cost of the T101 main-works contract was much lower than foreseen (3 as compared to 3.5 MCHF) and several undervalues were achieved during the project. Pierre suggested to keep a global funding envelope of 120 kCHF to cover potential supplementary demands from all other WPs till project completion; after a quick review of remaining works it was decided to increase this envelope to 150k.

Actions: to foresee 150 kCHF till end of project.

## 2. WP2 -HVAC&Fluids

Presenter: **Roberto Ales Bozzi**

WP2 EN-CV	kCHF
Available budget at IPP	1540
Current expenditure (incl. committed)	990
Expenditures foreseen till Dec'17	150
Overruns	None
Possible savings	275

EN-CV will allocate internal resources for work to be carried out in 2018, such as the coding and performance tests, and system tuning in summer 2018 when installation is being used. Real savings will be known at that time.

Actions: keep 10% for unforeseen works until 07.2018.

## 3. WP3- Electrical

Presenter: **Luca Sburlino**

WP3, EN-EL	kCHF
Available budget at IPP	1350
Current expenditure (incl. committed)	460
Expenditures foreseen till Dec'17	506 + 100 (known extra works) + 160K for DC cabling
Overruns	None
Possible savings	120

DC cabling and control of equipment (converters, switch, interbox), budgeted to 160k, as agreed on in the strategic review on 02-02-2016, were not included in the original EN-EL budget. It has been decided in the review to include this cost in the available EN-EL budget.

Some small works such as cable supports still to be done in 2017, cost to be charged to TE-MSB budget (O.Dunke). Some small works also foreseen in 2018, mainly related to user-equipment. Savings have been possible due to cabling works shared with other Groups or Departments.

Actions:

- Include cost of DC cabling (budget 160k) in the EN-EL budget.
- Foresee some spending for 18 kV converters to come in December 2017 or later.

## 4. WP4 –Handling and lift

Presenters: **Roberto Rinaldesi**

WP4, EN-HE	kCHF
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Available budget at IPP	580
Current expenditure (incl. committed)	509
Expenditures foreseen till Dec'17	Transport costs, not yet known
Overruns	None
Possible savings	None

The payments for all items have been charged or committed (ex. 30% payment of lift is committed but it will be executed in 2018).

Actions:

- Keep about ~100k for transports done in 2017 (till handover).
- Transport operations from the moment the building is handed over to TE-MSc should be charged to an operations budget.

### 5. WP5 -Measuring room

Presenter: **O.Dunkel of behalf of R.Principe**

<b>WP5, TE-MSc</b>	<b>kCHF</b>
Available budget at IPP	540
Current expenditure (incl. committed)	320
Expenditures foreseen till Dec'17	?
Overruns	None
Possible savings	

Contract with Ecofred Rubi placed for 284kE.

No cost overrun to expect (recently had some minor modifications but Ecofred confirmed in writing that there is no additional cost). The firm delivered a complete technical documentation and updated installation schedule: end of works: November 2017. Tests: until the summer 2018 – open commitment.

### 6. WP6 – IT

Presenter: **Maryse Da Costa, Alexandre Curschellas**

<b>WP6, IT-CS</b>	<b>kCHF</b>
Available budget at IPP	200
Current expenditure (incl. committed)	
Expenditures foreseen till Dec'17	70 + 10%
Overruns	None
Possible savings	130

The service made significant cost savings due to gathering several work demands CERN-wide, and some cabling costs were also taken by EN-EL. An envelope of 10% should be foreseen until the end of works.

Actions: keep 10% budget for contingencies.

### 7. WP7 - Fire Detection

Presenter: **Denis Raffourt reporting by email.**

<b>WP7, BE-ICS</b>	<b>kCHF</b>
Available budget at IPP	80
Current expenditure (incl. committed)	71
Expenditures foreseen till Dec'17	5
Overruns	None
Possible savings	None

End of works expected in August 2017.

Actions: Keeping 5k in 2017 for unforeseen works.

## 9. WP8 - Access

Presenter: **The representative person of this service was absent.**

P.Cardon reports that the intervention has been planned for November 2017 during 10 days.

## 10. WP9 – Integration

Presenters: **Olaf Dunkel, Pierre Cardon**

About 35k have been charged to TE (operations code) and SMB (P.Cardon's) for integration studies.

## 11. Wrap-up

M. Capeans thanks all the reporters and in particular the excellent coordination and execution of the project. This excellence is also well reflected in the good budgetary situation.

The total cost expected till end of 2017 has been summarized in the table below, but it should be noted that it is based on estimated amounts reported during the meeting. It should not be taken as firm. It shows possible savings close to 2 M.

	Service	Budget code	Total IPP		ESTIMATE Expected cost at hand-over
WP1	SMB-Civil Engineering	76965	5064	kCHF	3138
	SMB-Project Coordination	76964	30	kCHF	35
WP2	EN-CV main works	53667	1540	kCHF	1'140
WP3	EN-EL-Electricity	54251	1350	kCHF	1226
WP4	EN-HE Transport	53309	580	kCHF	609
WP5	TE-MS-C Measuring Room	99339	440	kCHF	320
WP6	IT-CS	47311	200	kCHF	77
WP7	BE-ICS (fire detection)	72164	80	kCHF	76
WP8	BE-ICS (access)	72158	66	kCHF	66
	TE-MS-C-MM User	99329	210	kCHF	N.A.
	<b>Total</b>		<b>9560</b>	<b>kCHF</b>	

The proposed strategy is to close the project budgets when the building will be handed over to TE at the end of 2017.

### Summary of actions and decisions:

- WP1: keep a global funding envelope of 150 kCHF to cover potential supplementary demands from all other WPs
- WP3: Include cost of DC cabling (budget 160k) in the EN-EL budget.
- WP4: Cost of transport operations from the moment the building is handed over to TE-MS-C should be charged to an operations budget.
- Foresee in general about 10% budget in most WPs for unforeseen works till project completion.
- TE-MS-C to evaluate in the next months costs for equipment installation and commissioning in 2017 and 2018, and a maintenance and operation budget at longer term.