

Astrea Project Charter - Planning of the project: Payload

October 3, 2016

1 Planning of the project

1.1 Identification of the tasks and description of the tasks

ID	Work Package	Biref task description list
2.3.1	Payload antenna	Task 1-Antenna: Calculation of the size of the antenna needed to communicate with the other satellites. Task 2-Antenna: Search the available antenna in the market that best fits the needs of the project.
2.3.2	Payload Data Handling System (PDHS)	Task 1-Selection of the configuration. Task 2-Establishment of the desired hardware and software. Task 3-Search the available PDHS in the market that best fits the needs of the project.

1.2 Interdependency relationships among tasks and human resources and level of effort

ID	Work Package	Time (h)	Prelations
2.3.1	Payload antenna	30	BF-3.2
2.3.2	PDHS	50	BF-3.2

2 Budget

2.1 Engineering hours budget

Work Package	Time (h)	Labour cost (eur)
Satellite design		
Payload		
Antenna	30	500
PDHS	50	1000
Total	80	1500
Total estimated	80	1500

2.2 Preliminary total cost budget

Work Package	Product cost(eur)	Time (h)	Labour cost (eur)
Satellite design			
Payload			
Antenna	6000	30	500
PDHS	7000	50	1000
Total	13000	80	1500
Total estimated	13000	80	1500