

Formal verification of Balancer

Milestone 1: translation	Translate the Solidity code of Balancer to the proof system Coq	Total Costs	\$10,000.00	Est completion date	4th week of January
Milestone 2: specification	Specify the smart contracts starting from what is given in the tests	Total Costs	\$10,000.00	Est completion date	2nd week of February
Milestone 3: verification	Formally verify all the smart contracts	Total Costs	\$10,000.00	Est completion date	4th week of February
✓ = deliverable complete					
#	TASK	BUDGET	TASK OWNER	January	February
1	Milestone #1	\$10,000.00		1/16 to 1/31	2/1 to 2/28
1.1	Translation to the proof system Coq of all the Solidity smart contracts in the project https://github.com/balancer-labs/balancer-v2-mo	\$10,000.00	Guillaume Claret		
2	Milestone #2	\$10,000.00			
2.1	Expression in the proof system of a specification for all the Solidity smart contracts, by taking and generalizing what is already in the tests	\$10,000.00	Guillaume Claret		
3	Milestone #2	\$10,000.00			
3.1	Formal verification of all the specifications in Coq	\$10,000.00	Guillaume Claret		
Total		\$30,000.00			