Formally Verified Systems Questionnaire

We are writing a survey of formally verified, deployed systems. If you have experience of any kind with such a system, please help making this survey extensive and accurate by answering the following questions.

* Indicates required question		
1.	Name of the deployed system or the project *	
2.	Area (select all that apply) *	
	Tick all that apply.	
	Automotive	
	Aerospace	
	Administration/Office	
	Consumer	
	Defense	
	Environmental	
	Finance	
	Healthcare	
	Telecom	
	Graphics	
	Manufacturing	
	Robotics	
	CASE (Computer Aided Software Engineering) tools	
	Operating systems	
	Nuclear power plants	
	Energy production	
	Industrial automation	
	Cyber-physical systems	
	Scientific research	
	Other:	

3.	Status of Project *
	Mark only one oval.
	A version of the project is operational Still under development, no operational version yet Project completed but no longer in operation Other:
4.	Approximate duration of project so far (in months) *
5.	In which phase(s) of software development have the formal verification techniques been involved? (select all that apply) Tick all that apply.
	Requirement analysis Design Implementation (code) Validation / verification Other:
6.	What type(s) of properties have been verified? (select all that apply) *
	Tick all that apply. User-defined functional correctness Absence of run-time error Timing constraints Memory usage constraints Security properties Other (please specify next)

7.	Any more specific information about the properties being verified?
8.	How many coders/engineers are in the project team? *
	Mark only one oval.
	1-10
	10-50
	>50
	On't know
9.	Estimated verification effort so far *
	Mark only one oval.
	O-12 person-month
	1-10 person-year
	10-50 person-year
	>50 person-year
	Don't know
10.	What techniques/tools/languages have been applied in the project? *

11.	Your level of expertise on formal verification prior to the project *
	Mark only one oval.
	Ignorant
	Beginner
	Apprentice
	Intermediate
	Advanced
	Other:
12.	Is there any training on the techniques/tools/languages carried out? If yes, please specify skills/knowledge and duration of the training.
Ev	aluation of project
13.	"Formal verification has improved the quality of the system" *
	Mark only one oval.
	Strongly disagree
	Somewhat disagree
	Neither agree or disagree
	Somewhat agree
	Strongly agree

4.	Has formal verification affected the project's duration? *
	Mark only one oval.
	Reduction in time
	No effect on time
	Increase in time
	On't know
5.	Did formal verification techniques affect the project's cost? *
	Mark only one oval.
	Reduction in cost
	No effect on cost
	Increase in cost
	On't know
6.	Rate the level (1-10) of difficulty in learning verification techniques: * Mark only one oval.
	1 2 3 4 5 6 7 8 9 10
	Easi O O O O Most difficult
17.	Cite any limitations of the verification techniques that you may observed in this project

18.	Cite any barriers to adoption of of the verification techniques in this project *
	Tick all that apply.
	Cost
	Education
	Tools
	Scalability
	Evidence of benefits
	Regulation/Certification
	Other:
19.	Please share any further information on the project and system, including links to available publications, presentations or software.
20.	Please tell us of any other systems or projects that may be useful for the survey. (If you had direct experience with them, please fill one new instance of the questionnaire per each project or system.)
21.	Would you be willing to answer some more questions about this project? If yes, leave us your name and email here. Thank you very much for your help in performing this importan survey!