Evaluation of needs of Data gathering WSN Applications in MICS Projects

Questionnaire

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The Sensor Network Platform Kit will be providing a demonstration application that is able to gather sensor data over a multihop network. To get an overview of current demands on such an application in the MICS community, you are invited to fill out the following questionnaire. Thank you for your time.
Questions
Name:
Project:
Network profile How important are the following features for your application (QoS) Not important less importantmore importantvery important Low latency
* If one of these points is important, specify an approximate target value:
What are the characteristics of the (sensor-) data traffic? (Multiple answers possible) Bursts
What is the expected size of the network? Number of devices: About nodes Density: High $(1/m^2)$ \square Medium $(0.1/m^2)$ \square Low $(0.01/m^2)$ \square
Deployment What terms describe the deployment scenario best? (Multiple answers possible) Indoors □ Outdoors □ Short term (< 1 month)

How important are the following fe	atures for netw	ork maintenance	?					
Not important	less important	t more important	very important					
Network reprogramming								
Runtime-configurable		П						
Network status queries			\Box					
Network reprogramming	Ħ	Ħ	Ħ					
Network reprogramming			Ш					
Sensor-data								
Are data sanity checks reasonable for your application? Yes \(\sigma \) No \(\sigma \) What is the needed accuracy of sensor data timestamps? Order of seconds \(\sigma \) Order of milliseconds \(\sigma \) Order of microseconds \(\sigma \) Event order preserving								
Software / Hardware								
What is your preferred node platform?								
How familiar are you with the follow	wing WSN frame	eworks?						
Never heard	Beginner	Advanced	Expert					
TinyOS 1.x								
TinyOS 2.x	\Box	П	\Box					
Boomerang \square		П	\Box					
	_		_					
Remarks								