

Site: A
Building: B
Process: C
Step: F

Item Code: D
Instrument ID(s): E

u_{system} based on performance data		OR	u_{system} based on Vendor Data	
Equipment Tag(s):	G		Equipment Tag(s):	G
u_{system} (attach supporting analysis to this form)	H		Sensor:	Manufacturer J
Required $u_{\text{secondary_standard}}$	I			Model J
				Component Uncertainty (u_{i1}) J
			Transmitter:	Manufacturer K
				Model K
				Component Uncertainty (u_{i2}) K
			I/O Module:	Manufacturer L
				Model L
				Component Uncertainty(u_{i3}) L
			$u_{\text{combined}} = \text{sqrt} (u_{i1}^2 + u_{i2}^2 + u_{i3}^2)$ M	
			$u_{\text{secondary_standard}}$ N	
			$u_{\text{system}} = \text{sqrt} (u_{\text{combined}}^2 + u_{\text{secondard_standard}}^2)$ P	
Using u_{system} to define Minimum Calibration Failure Limit				
Minimum Calibration Failure Limit = $2 * u_{\text{system}}$	Q			

Prepared By: R **Title** R **Date:** _____
 (Your signature indicates that you prepared this document following the applicable standards and procedures)

Engineering: S **Title** S **Date:** _____
 (Your signature indicates that you have reviewed this document and agree with the information contained herein)