Example of Elicitation Worksheet

This is NOT a template-it is a customized design and format with questions specific to the way a certain team of automotive designers thinks about their component and its performance.

Worksheet for Component Performance

Subject Matter Expert ___ John Doe_

Component "new sensor element 1"
Date11/30/99
To obtain an overall reliability estimate of the fuel system, we are asking you to
provide your expert judgment regarding estimates of the reliability of its
components and subsystems. See the attached reliability block diagram / fault
trees for the components and subsystems that your group will be concerned
with. For each component(s) or subsystem(s) that your Subject Matter Expert
team discusses, please complete a separate, and appropriately labeled
worksheet.
As you complete the worksheet, restrict your thinking to this component alone. A
failure is defined as the occurrence of any of the failure modes which your
Subject Matter Expert team designates below. Assume that all other components
function as they should.
1a) For the above named component which failure modes do you consider
1a) For the above named component, which failure modes do you consider significant?
significant:
Signal not received
Infant mortality
1b) Why are they significant?
Will cause unit to fail on demand

Failure Mode		Incidence
Signal not receiv	ved.	20
Infant mortality	<u>'eu</u>	80
<u> </u>	_	
any failure mode, in	s of the most likely number on some number of parts in the for any reason, per 1000 parts	population (e.g., how
b) If you have informat please list it:	tion involving time to failure or	mileage to failure,
	N/A	
c) Record any key co include or exclude a	-	that you made (e.g., to
	Nominal conditions only	
NV	Nominal conditions only Excluding extremes	
	Excluding extremes	
occur, for any failu		parts in the population
occur, for any failu (e.g., what is the m	Excluding extremes performance, or the highest re mode, in some number of performance of perfor	parts in the population
occur, for any failu (e.g., what is the m 1000 parts)?	performance, or the highest re mode, in some number of post number of parts that will for	parts in the population ail, for any reason, per
occur, for any failu (e.g., what is the m 1000 parts)?	performance, or the highest re mode, in some number of post number of parts that will for a 250 IPTV	parts in the population ail, for any reason, per

	parts)?10 IPTV
4b)	If you have information involving time to failure or mileage to failure, please list it:
	N/A
4c)	Record any key considerations or assumptions that you made (e.g., to include or exclude any environments). Nominal conditions only
	Excluding extremes
	old sensor element 1" failure mode data is available, please complete question 5:
If " 5)	
	question 5: Describe how you expect the "new sensor element 1" to perform with
	question 5: Describe how you expect the "new sensor element 1" to perform with respect to that of "old sensor element 1"?